

BOLALOY'S RICE MILLING AND SALES SYSTEM

A Database Design

in Database Management System 1

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System Description

The (BRMSS) Bolaloy's Rice Milling and Sales System is a system that make the work of a cashier or a user easy. This kind of a system is having attribute of what you called saving the data where you entered the information of costumer in the said system. This system having also automatic computing of a cost of a product or item.

The Rice Milling and Sales System is easy to use. Like for an instance, the user will fill up the form according or based to the information and identification of the costumer. And it have a solution provided or guide for you to be not lost in the procedure. And talking to the quality of a system, the efficiency, learnability, and effectiveness is used in creating in this system.

This system is suit to any users for the reason that it is not complicated. I mean there is no process that a user can not complete. This system have the ability to manage the incoming and outgoing of a product, A rice volume, Rice variety.

This will also count the quantity of a rice in stock and updating you of how many exactly stocks is remaining. The (BRMSS) Bolaloy's Rice Milling and Sales System is making your business to manage easily. It make your lifestyle easy and not hustle to do. This system having also a database that will save your data and kept for safety reason. Any time you want to modify your information of the remaining stocks in your database you can make it. And this have the ability to change form, if you want to change the form into miller to supplier and to retailer.

Bolaloy's Rice Milling and Sales System Background

Bolaloy's Rice Milling and Sales System is located in brgy Rumirang Municipality of Isabela Negros occidental. The name of System is based on the lastname of the owner..

Features:

- Manage costumer
- Save Personal information
- Computing cost
- Check remaining stocks

- Prepares costumer form

Data Dictionaries

These tables below provide the entire database tables details such as Field Name, Descriptions, data types, character lengths.

Table 1: tblStocks

Field Name	Description	Type	Length
Stocks_id	Stocks number	int	11
Co_id	Customer id	Int	11
Co_fName	Customer first name	Varchar	50
Co_lName	Customer Last name	Varchar	50
Job_id	Job title	Varchar	50
Phone_no	Customer contact	Varchar	50
RiceCode	Rice_Code	Int	7
RiceVariety	Rice_Name	Varchar	50
SackQty	Rice_count	Int	11
Date_Stored	Date of when Stored	Date	10

Table 2: tblcustomer

Field Name	Description	Type	Length
Customer_id	Customer number	int	11
fName	Customer first name	Varchar	50
lName	Customer last name	Varchar	50
Address	Customer address	Varchar	50
Job_id	Job title	Varchar	50
Contact_No.	Customer contact	Varchar	50

Table 3: tblemployee

Field Name	Description	Type	Length
emp_id	Stocks number	int	11
First_name	Customer first name	Varchar	50
Last_name	Customer last name	Varchar	50
Email	Customer Email	Varchar	50
address	Address	Varchar	50
contact_no	Employee Contact no	Varchar	50

hire_date	Hire date	Date	11
Job_id	Job title	Varchar	50
Monthly_salary	employee salary	Int	11

Table 4: tblricehistory

Field Name	Description	Type	Length
Customer_id	Customer number	int	11
r_Code	Rice code	Varchar	50
r_Variety	Rice Variety	Varchar	50
r_qty	Rice quantity	Int	50
r_Price	Rice price	Int	50
r_Total	Rice total	Int	50
Amount	Amount	Int	11
Change	Change	Int	50
Date	Date	Date	11

Table 5: tblRecords

Field Name	Description	Type	Length
Costumer_id	CustomerInformation	Int	7
cFname	Customer first Name	Varchar	50
cLname	Customer last name	Varchar	50
Address	CustomerLocation	Varchar	50
Contact_no	Customer No.	Int	11
Rice_id	RiceInformation	Varchar	50
Rice_Code	Rice Code	Int	11
Variety	Rice Name	Varchar	50
Rice_Volume	Rice Quantity	Int	11
Price_per_sack	Rice Price Per Sack	Int	11
SubTotal	Over all total cost	int	11
Date	Date when Stored	Date	11

Entity Relationship Diagram

Bolaloy's Rice Milling and Sales System Entity Relationship Diagram shows the system entity relationships in each entity and their supposed functions in each relationship.

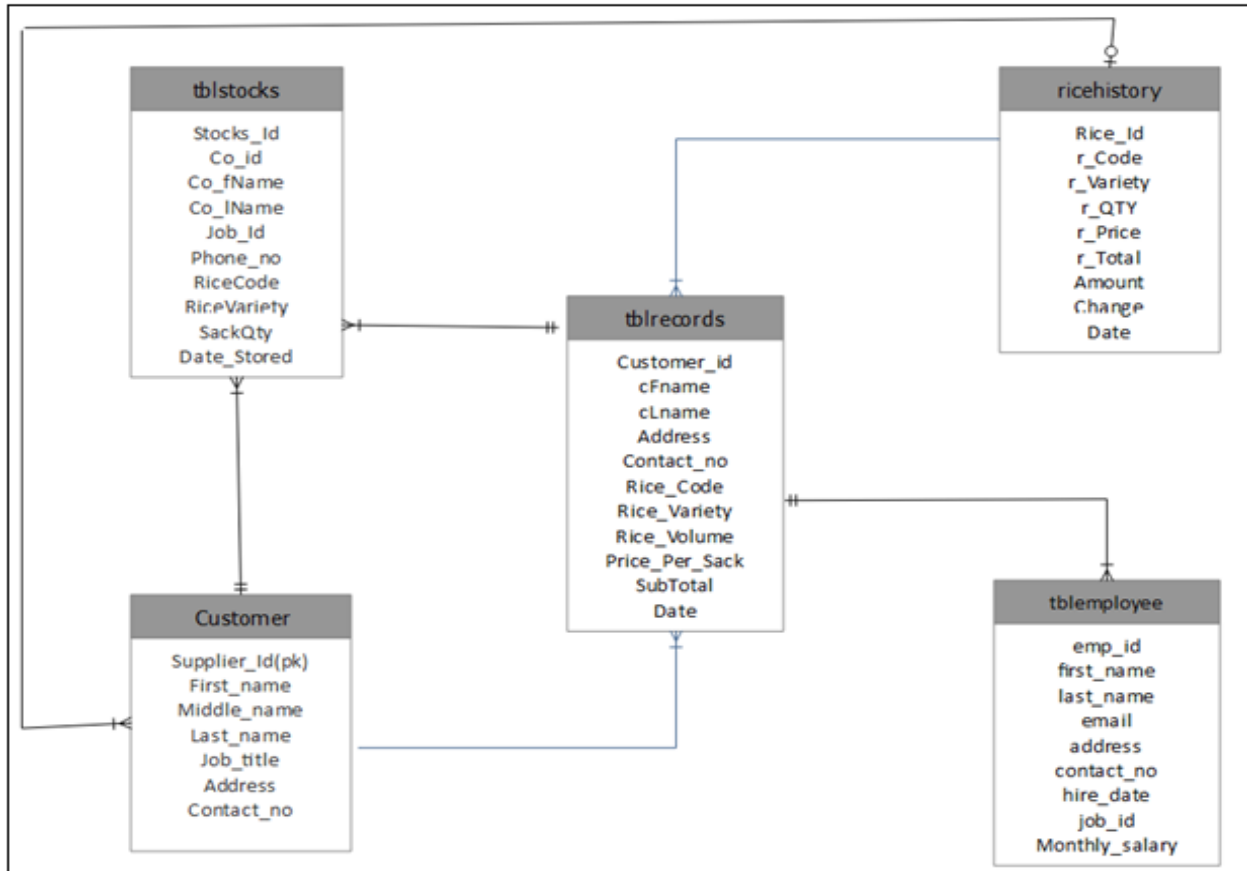


Figure 1. Bolaloy's Rice Milling and Sales System Entity Relationship Diagram

Proposed Bolaloy's Rice Milling and Sales System

The proposed Bolaloy's Rice Milling and Sales System Entity Relationship Diagram are the entity of the proposed Bolaloy's Rice Milling and Sales System database, which are presented

by tables; the tables are made to meet the required specification of the system and provide a much more specific details of the each entities within the system.

Select Statements using Different Functions

1. Write a query that add all the number of total quantity in stocks.

a. Solution.

```
SELECT COUNT(SackQty) AS "Total quantity" FROM tblstocks;
```

b. Results.

Total quantity
11

1 Record(s) found.

2. Find the common of rice quantity of all stocks.

a. Solution.

```
SELECT AVG(SackQty)AS "Average of rice quantity" FROM tblstocks;
```

b. Results.

Average of rice quantity
15.7273

1 record(s) found.

3. Show the amount of the rice volume in the records.

a. Solution.

```
SELECT SUM(Rice_Volume) AS "Rice quantity from records" FROM tblrecords;
```

b. Results.

Rice quantity from records
107

1 record(s) found.

4. Add all the subtotal label the column as total sum in records that transact in February 25,2019.

a. Solution.

```
SELECT SUM(SubTotal) AS "Total Sum" ,Date FROM tblrecords WHERE Date = "2/25/2019";
```

b. Results.

Total Sum	Date
41000	2/25/2019

1 record(s) found.

5. Display all the rice code, first name, last name, mobile number from records without duplicating and arrange It by rice code.

a. Solution

```
SELECT DISTINCT Rice_Code as "Rice code",cFname as "First name",cLname as "Last name", Contact_no as "Mobile number" FROM tblrecords GROUP BY Rice_Code;
```

b. Results

Rice code	First name	Last name	Mobile number
222	teodorico	enoria	09090909012
226	CrisJohn	Pasculado	90909090745
rc10	maya	condez	09786435673

3 record(s) found.

6. Show the Last name and lowest quantity of rice in stocks.

a. Solution.

```
SELECT Co_IName AS "Last name", MIN(SackQty) AS "Minimum quantity" FROM tblstocks WHERE SackQty = (SELECT MIN(SackQty));
```

b. Results.

Last name	Minimum quantity
tenido	2

1 record(s) found.

7. Show the large total of rice cost in records.

a. Solution.

```
SELECT MAX(SubTotal)AS "Highest total" FROM tblrecords;
```

b. Results.

Highest total
63000

1 record(s) found.

8. Display the first name, last name and the length name of costumer in records that the second letter in first name is o.

a. Solution.

```
SELECT cFname AS "First name",length(cFname)AS "Length of first name" ,cLname  
AS "Last name", length(cLname) AS "Length of last name" FROM tblrecords WHERE  
cFname like '_o%';
```

b. Results.

First name	Length of first name	Last name	Length of last name
joenel	6	gregorio	8
jona	4	ramoran	7

2 record(s) found.

9. Write a query that display the rice volume and first name and connect it by owner.

a. Solution

```
select concat(Rice_Volume," Owner ",cFname) "Rice volume" from tblrecords;
```

b. Results

Rice volume
20 Owner CrisJohn
4 Owner tedted
2 Owner teo
3 Owner maya

11 record(s) found.

10. Find the mean of all rice total in records.

a. Solution

```
SELECT AVG(SubTotal)AS "Average of all rice total" FROM tblrecords;
```

b. Results

Average of all rice total
16563.6364

1 record(s) found.

11. Show customer first name in capital letter in records.

a. Solution.

```
SELECT Upper (cFname)AS "First name" FROM tblrecords;
```

b. Results.

First name
CRISJOHN
TEDED
TEO
MAYA
JOENEL

11 record(s) found.

12. Show customer first name in small letter in records.

a. Solution.

```
SELECT lower(cFname)AS "First name" FROM tblrecords ORDER BY cFname;
```

b. Results.

First name
crisjohn
crystal
gladys
joenel
jona

11 record(s) found.

13. Display the length of customer first names label the length of first name by first name length in records.

a. Solution.

```
SELECT cFname "Customer first names", length (cFname)" First names length"  
FROM tblrecords;
```

b. Results.

Customer first names	First names length
CrisJohn	8
tedted	6
teo	3
maya	4
joenel	6

11 record(s) found.

14. Add all the number of customer in records label the column by number of customer.

a. Solution.

```
SELECT count(cLname) AS "Number of customer" FROM tblrecords;
```

b. Results.

Number of customer
11

1 record(s) found.

15. Create a query to display the different name address from other address in every customer from records

a. Solution

```
SELECT DISTINCT(ADDRESS)"Customer address" FROM tblrecords;
```

b. Results

Customer address
Binalbagan
isabela
perya
enclaro
himamaylan

7 record(s) found.

16. For each customer records, display the customer number, last name, subtotal, and mean of subtotal from customer number 12.

a. Solution

```
SELECT customer_id as "Customer number", cLname AS "Last name",SubTotal,  
AVG(SubTotal) AS "Average of the rice purchase" FROM tblrecords WHERE  
customer_id = 12;
```

b. Results

Customer number	Last name	SubTotal	Average of the rice purchase
12	enoria	4000	4000.0000

1 record(s) found.

17. Show the customer address, last name, Rice code and total the number of rice code in records and arrange it.

a. Solution.

```
SELECT ADDRESS "Customer address",cLname AS "Last name",Rice_Code, COUNT(Rice_Code) "Number of rice code" FROM tblrecords GROUP by Rice_Code;
```

b. Results.

Customer address	Last name	Rice_Code	Number of rice code
isabela	enoria	222	1
Binalbagan	Pasculado	226	7
perya	condez	rc10	3

3 record(s) found.

18. Show the rice variety, rice price per Sack and total the number of variety from records.

a. Solution.

```
SELECT Rice_Variety AS "Rice variety",Price_Per_Sack AS "Rice price per sack",COUNT(Rice_Variety) AS "Number of variety" FROM tblrecords GROUP BY Rice_Variety;
```

b. Results.

Rice variety	Rice price per sack	Number of variety
burdagol	2200	1
Rosana	2000	3
sinandomeng	2100	7

3 record(s) found.

19. Write a query to display the rice variety, the overall quantity of sinandomeng and tally the number of it in records

a. Solution.

```
SELECT Rice_Variety as "Rice variety",SUM(Rice_Volume) AS "Over all rice quantity",COUNT(Rice_Variety)AS "Number of variety" FROM tblrecords WHERE Rice_Variety = "sinandomeng";
```

b. Results.

Rice variety	Over all rice quantity	Number of variety
sinandomeng	57	7

1 record(s) found.

20. Create a query to display the rice name, over all quantity, overall cost, count all the owner. Label the column as number of owner from records where the rice variety is sinandomeng.

a. Solution.

```
SELECT Rice_Variety AS "Rice name", SUM(Rice_Volume) AS "Total quantity",SUM(SubTotal)AS "Total cost", COUNT(cLname) AS " Number of owner" FROM tblrecords WHERE Rice_Variety = "sinandomeng";
```

b. Results.

Rice name	Total quantity	Total cost	Number of owner
sinandomeng	59	122200	5

1 record(s) found.

Select Statement Using Sub Query

- From stocks display the rice name, last name and first name of customer whose sack quantity is 2.

- Solution

```
SELECT Rice_Variety AS "Rice name",cLname AS "last name",cFname AS "First Name"
FROM tblrecords WHERE customer_id = ANY (SELECT Stocks_id FROM tblstocks WHERE
SackQty = 2);
```

- Results

Rice name	last name	First Name
Rosana	Pasculado	CrisJohn
sinandomeng	enoria	tedted
rosana	enoria	teodorico
sinandomeng	tamayo	trikson

3 results found.

- Write a query to display the Full name in records whose sack quantity is 5.

- Solution

```
SELECT concat(cFname, ' ',cLname)AS "Full name" FROM tblrecords WHERE EXISTS
(SELECT Rice_Variety FROM tblstocks WHERE customer_id = tblrecords.customer_id
AND Sackqty = 5);
```

- Results

Full name
CrisJohn Pasculado
tedted enoria
mariteo pineda
maya condez
joenel gregorio

11 result(s) found.

- Create a query to display all data from records and total the Volume per variety, add the rice code and arrange it by rice variety.

- Solution

```
SELECT *,SUM(Rice_Volume) AS "Volume per Variety", (SELECT COUNT(Rice_Code)
FROM tblrecords) AS count FROM tblrecords GROUP BY Rice_Variety;
```

- Results

customer_id	cFname	cLname	Address	Contact_no	Rice_Code	Rice_Variety	Rice_Volume	Price_Per_Sack	SubTotal	Date	Volume per Variety	count
6	maya	condez	perya	09526231134	226	burdagol	3	2200	6600	2/25/2019	3	11
1	CrisJohn	Pasculado	Binalbagan	90909090745	226	Rosana	20	2000	4000	01/28/19	47	11
2	tedted	enoria	isabela	09071131291	226	sinandomeng	4	2100	8400	2/25/2019	63	11

3 result(s) found.

Select Statements using Count and Group Function

1. In table stocks display the stock number, rice name and add all the job title by rice variety in decreasing order.

a. Solution

```
SELECT Stocks_Id AS "Stock number",RiceVariety AS" Rice name" , COUNT(Job_Id) AS "Job title" from tblstocks GROUP BY RiceVariety DESC;
```

b. Results

Stock number	Rice name	Job title
1	Sinandomeng	6
2	Rosana	4
4	Angelica	1

3 results found.

2. From records show all rice name , rice quantity, total all rice variety and arrange it by rice variety.

a. Solution

```
SELECT Rice_Variety AS "Rice name",Rice_Volume AS "Rice Quantity",COUNT(Rice_Variety) AS "Group Of variety" FROM `tblrecords` GROUP BY Rice_Variety;
```

b. Results

Rice name	Rice Quantity	Group Of variety
burdagol	3	1
Rosana	20	3
sinandomeng	4	7

3 results found.

3. Show the customer address, last name, Rice code and total the number of rice code in records and arrange it by rice code.

a. Solution

```
SELECT ADDRESS "Customer address" ,cLname AS "Last name",Rice_Code,COUNT(Rice_Code) "Number of rice code" FROM tblrecords GROUP by Rice_Code;
```

b. Results

Rice name	Total quantity	Total cost	Number of owner
sinandomeng	59	122200	5

1 results found.

Select Statements using Different joins

1. From records display the customer number, Customer First name, Customer Last name.

- a. Solution

```
SELECT tblrecords.Customer_id, tblstocks.Co_fName, tblstocks.Co_IName  
FROM tblrecords RIGHT JOIN tblstocks ON tblstocks.Co_id = tblrecords.Customer_id
```

- b. Results

Customer number	Customer First name	Customer Last name
6	jude	tenido
7	joenel	gregorio
1	marie sheena	bernardino
2	tedted	condez
NULL	john paul	blauro
10	mitchelyn	enoria
15	ivan	enoria
15	angelic	delagon

8 result(s) found.

2. Create a join Statement that display sackQty, stocks number, RiceVariety, Last Name, First Name of Customer Rice in Stocks

- a. Solution

```
SELECT tblstocks.SackQty, tblstocks.Stocks_Id AS "Stocks number",tblstocks.RiceVariety,  
tblrecords.cLname AS " Last Name", tblrecords.cFname AS "First Name" FROM tblstocks  
LEFT JOIN tblrecords ON tblstocks.Stocks_Id = tblrecords.customer_id ORDER BY  
tblstocks.Stocks_Id;
```

- b. Results

SackQty	Stocks number	RiceVariety	Last Name	First Name
2	2	Rosana	enoria	tedted
5	3	Sinandomeng	pineda	mariteo
3	4	Angelica	NULL	NULL
50	5	Sinandomeng	NULL	NULL
12	9	burdagol	near	Marilou
20	12	rosana	NULL	NULL
15	13	angelica	NULL	NULL

7 result(s) found.

3. From records Show Customer Last name, Rice name, Rice volume, Rice price and total.

a. Solution

```
SELECT tblrecords.cLname "Last name", tblrecords.Rice_Variety "Rice name",ricehistory.r_QTY "Rice volume",ricehistory.r_Price "Rice price",ricehistory.r_Total"Total" FROM tblrecords INNER JOIN ricehistory ON ricehistory.Customer_id = tblrecords.Customer_id;
```

b. Results

Last name	Rice name	Rice volume	Rice price	Total
Pasculado	Rosana	2	2000	4000
enoria	sinandomeng	2	2400	4800
condez	burdagol	2	2100	4200
gregorio	sinandomeng	2	2000	4000
enoria	rosana	15	2000	30000

12 result(s) found.

4. Write a query to display the first name, Last name in records, Total cost sum of rice quantity, Date when transacted in rice history.

a. Solution

```
SELECT tblrecords.cFname "First name", tblrecords.cLname "Last name", ricehistory.r_Total "Total cost",SUM(ricehistory.r_QTY)" Rice quantity",ricehistory.Date "Date transacted" FROM tblrecords INNER JOIN ricehistory ON tblrecords.Customer_id = ricehistory.Customer_id GROUP BY tblrecords.Customer_id;
```

b. Results

First name	Last name	Total cost	Rice quantity	Date transacted
CrisJohn	Pasculado	4000	2	03/07/19
tedted	enoria	4800	2	02/23/19
maya	condez	4200	2	02/23/19
joenel	gregorio	4000	2	02/27/19
teodorico	enoria	30000	15	03/08/19

7 result(s) found.

5. Create a query to display the customer Last name, Job title, Contact number, Rice variety and the highest total cost in stocks.

a. Solution

```
SELECT tblstocks.Co_IName "Customer last name", tblstocks.Job_Id " Job title",tblrecords.Contact_no "Contact number",tblrecords.Rice_Variety "Rice variety",MAX(tblrecords.SubTotal) AS "Highest total cost" FROM tblstocks RIGHT JOIN tblrecords ON tblrecords.Customer_id = tblstocks.Co_id GROUP by Co_id;
```

b. Results

Customer last name	Job title	Contact number	Rice variety	Highest total cost
NULL	NULL	09090909588	sinandomeng	50000
bernardino	Retailer	90909090745	Rosana	40000
condez	Dealer	09071131291	sinandomeng	8400
tenido	Retailer	09526231134	burdagol	6600
gregorio	Miller	09774904560	sinandomeng	63000

7 result(s) found.

Insert Statements

1. Add new records from employee first name is gloria, last name to macapagal , her email @gloria ,address Isabela, contact no is 09675849374 hire date is 02-13-2018, job id is cashier and monthly salary is 16000.

emp_id	first_name	last_name	email	address	contact_no	hire_date	job_id	Monthly_salary
1	john	philip	@john	laguna	09843527812	02-03-2017	manager	25000
2	pedro	penduko	@pedro	bacolod	09864356271	02-07-2017	driver	15000
3	joseph	estrada	@estrada	iloilo	09675435623	02-17-2017	encoder	15000

- a. Solution

```
INSERT INTO `tblemployee` (`first_name`, `last_name`, `email`, `address`, `contact_no`, `hire_date`, `job_id`, `Monthly_salary`) VALUES ('gloria', 'macapagal', '@gloria', 'isabela', '09675849374', '02-13-2018', 'cashier', '16000');
```

- b. Results

emp_id	first_name	last_name	email	address	contact_no	hire_date	job_id	Monthly_salary
1	john	philip	@john	laguna	09843527812	02-03-2017	manager	25000
2	pedro	penduko	@pedro	bacolod	09864356271	02-07-2017	driver	15000
3	joseph	estrada	@estrada	iloilo	09675435623	02-17-2017	encoder	15000
4	gloria	macapagal	@gloria	isabela	09675849374	02-13-2018	cashier	16000

1 row(s) inserted.

2. Write a query to add new customer where first name is cristy, last is condez, address is Isabela, job id is miller and contact no is 09145367567.

Customer_id	fname	IName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785

- a. Solution

```
INSERT INTO `tblcostumer` (`fname`, `IName`, `Address`, `Job_Id`, `Contact_No.`) VALUES ('cristy', 'condez', 'isabela', 'miller', '09145367567');
```

- b. Results

Customer_id	fname	IName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785
3	cristy	condez	isabela	miller	09145367567

1 row(s) inserted

3. From tblcustomer create a query to add data in location last name is enoria, address is hinigaran.

Customer_id	fname	IName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785
3	cristy	condez	isabela	miller	09145367567

- a. Solution

```
INSERT INTO `tblcostumer` (`IName`, `Address`, `Job_Id`) VALUES ('enoria', 'hinigaran', 'dealer');
```

- b. Results

Customer_id	fname	IName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785
3	cristy	condez	isabela	miller	09145367567
4		enoria	hinigaran	dealer	

1 row inserted.

4. Create a query to insert three rows in column rice code, rice variety, rice price, rice total, amount, change and date in the same time on rice history.

Customer_id	r_Code	r_Variety	r_QTY	r_Price	r_Total	Amount	Change	Date
7	226	sinandomeng	2	2000	4000	1000	5000	02/27/19
8	rc10	angelica	15	2000	30000	50000	20000	03/08/19

- a. Solution

```
INSERT INTO `ricehistory` (`r_Code`, `r_Variety`, `r_QTY`, `r_Price`, `r_Total`, `Amount`, `Change`, `Date`) VALUES ("rc10", "rosana", 10, 2200, 2200, 30000, 27800, "03/9/19"), ("222", "burdagol", 10, 2000, 20000, 20000, 0, "03/8/19"), ("216", "senandomeng", 5, 2100, 10500, 11000, 500, "03/8/19");
```

- b. Results

Rice_Id	r_Code	r_Variety	r_QTY	r_Price	r_Total	Amount	Change	Date
7	226	sinandomeng	2	2000	4000	1000	5000	02/27/19
8	rc10	angelica	15	2000	30000	50000	20000	03/8/19
9	rc10	rosana	10	2200	2200	30000	27800	03/9/19
10	222	burdagol	10	2000	20000	20000	0	03/8/19
11	216	senandomeng	5	2100	10500	11000	500	03/8/19

3 row(s) inserted.

5. Write a query to add data from tblcustomer in location first name to sharia , last name to sablaon and job id to farmer.

Customer_id	fname	IName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785
3	cristy	condez	isabela	miller	09145367567
4		enoria	hinigaran	dealer	

- a. Solution

```
INSERT INTO `tblcustomer` (`fname`, `IName`, `Job_Id`) VALUES ('shaira', 'sablaon', 'farmer');
```

- b. Results

Customer_id	fname	IName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785
3	cristy	condez	isabela	miller	09145367567
4		enoria	hinigaran	dealer	
5	shaira	sablaon	NULL	farmer	NULL

1 row inserted.

Update Statement

1. Customer number 4 is not having a first name and contact no. now this customer is wanting to have first name and contact no.

Customer_id	fname	IName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785
3	cristy	condez	isabela	miller	09145367567
4		enoria	hinigaran	dealer	

- a. Solution

```
UPDATE `tblcostumer` SET `fname`='dave', `Contact_No.`='09702546738' WHERE `Customer_id`=4;
```

- b. Results

Customer_id	fname	IName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785
3	cristy	condez	isabela	miller	09145367567
4	dave	enoria	hinigaran	dealer	09702546738

1 record(s) updated.

2. Customer first name shaira has no address and contact number so he wanted to have.create a query to fill the void column for customer id number 5.

Customer_id	fname	IName	Address	Job_Id	Contact_No.
5	shaira	sablaon	NULL	farmer	NULL

- a. Solution

```
UPDATE `tblcostumer` SET `Address`='kabankalan', `Contact_No.`='09463765478' WHERE `Customer_id`=5;
```

- b. Results

Customer_id	fname	IName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785
5	shaira	sablaon	kabankalan	farmer	09463765478

1 record(s) updated.

3. From table stocks where customer number 5 his/her first name and last name is messed up. Write a query to fixed the wrong records.

Stocks_Id	Co_id	Co_fName	Co_lName	Job_Id	Phone_no	RiceCode	RiceVariety	SackQty	Date_Stored
2	6	jude	tenido	Retailer	09564212112	222	Rosana	2	02/23/19
14	15	angelic	delagon	retailer	09789567483	216	burdagol	10	03/7/19
16	5	gfjfg	jjg	Miller	34567	226	Sinandomeng	45	

- a. Solution

```
UPDATE `tblstocks` SET `Co_fName`='jether', `Co_lName`='isidro' WHERE `Stocks_Id`=16;
```

- b. Results

Stocks_Id	Co_id	Co_fName	Co_lName	Job_Id	Phone_no	RiceCode	RiceVariety	SackQty	Date_Stored
2	6	jude	tenido	Retailer	09564212112	222	Rosana	2	02/23/19
14	15	angelic	delagon	retailer	09789567483	216	burdagol	10	03/7/19
16	5	jether	isidro	Miller	34567	226	Sinandomeng	45	

1 record(s) updated.

4. The email of employee joseph supposed to is @joseph but in the records is not. Create a query to change the email of employee number 3.

emp_id	first_name	last_name	email	address	contact_no	hire_date	job_id	Monthly_salary
1	john	philip	@john	laguna	09843527812	02-03-2017	manager	25000
2	pedro	penduko	@pedro	bacolod	09864356271	02-07-2017	driver	15000
3	joseph	estrada	@estrada	iloilo	09675435623	02-17-2017	encoder	15000
4	gloria	macapagal	@gloria	isabela	09675849374	02-13-2018	cashier	16000

- a. Solution

```
UPDATE `tblemployee` SET `email`='@joseph' WHERE `emp_id`=3;
```

- b. Results

emp_id	first_name	last_name	email	address	contact_no	hire_date	job_id	Monthly_salary
1	john	philip	@john	laguna	09843527812	02-03-2017	manager	25000
2	pedro	penduko	@pedro	bacolod	09864356271	02-07-2017	driver	15000
3	joseph	estrada	@joseph	iloilo	09675435623	02-17-2017	encoder	15000
4	gloria	macapagal	@gloria	isabela	09675849374	02-13-2018	cashier	16000

1 record(s) updated.

5. From tblrecords on customer number 18 the rice code and rice variety has swapped. Then create a query to place the wrong data from appropriate column.

Customer_id	cFname	cLname	Address	Contact_no	Rice_Code	Rice_Variety	Rice_Volume	Price_Per_Sack	SubTotal	Date
1	CrisJohn	Pasculado	Binalbagan	90909090745	226	Rosana	20	2000	40000	01/28/19
17	fred	roger	bacolod	09735482623	rc10	burdagol	12	2100	25200	03/22/19
18	paul	blauro	canmoros	09753647283	rosanna	rc10	12	2100	25200	03/23/19

- a. Solution

```
UPDATE `tblrecords` SET `Rice_Code`='226', `Rice_Variety`='angelica' WHERE `Customer_id`=18;
```

- b. Results

Customer_id	cFname	cLname	Address	Contact_no	Rice_Code	Rice_Variety	Rice_Volume	Price_Per_Sack	SubTotal	Date
1	CrisJohn	Pasculado	Binalbagan	90909090745	226	Rosana	20	2000	40000	01/28/19
2	tedted	enoria	isabela	09071131291	226	sinandomeng	4	2100	8400	2/25/2019
3	mariteo	pineda	hinigaran	09090909588	rc10	sinandomeng	8	2100	16800	03/03/19
6	maya	condez	bacan	09526231134	226	burdagol	3	2200	6600	2/25/2019
7	joenel	gregorio	enclaro	09774904560	226	sinandomeng	30	2100	63000	03/01/19
8	teodorico	enoria	isabela	09090909012	222	rosana	25	2000	50000	03/04/19
9	Marilou	near	perya	09786435673	rc10	Rosana	2	2000	4000	02/23/19
10	Christian Dave	enoria	bacolod	09071131291	rc10	sinandomeng	4	2000	8000	03/3/19
11	jona	ramoran	himamaylan	09032165231	226	sinandomeng	13	2000	26000	2/25/2019
15	melmar	enoria	hda.bacan	09765845637	216	burdagol	5	2100	10500	03/12/19
16	mica	enoria	lacarlota	09745832817	216	burdagol	10	2000	20000	03/16/19
17	fred	roger	bacolod	09735482623	rc10	burdagol	12	2100	25200	03/22/19
18	paul	blauro	canmoros	09753647283	226	angelica	12	2100	25200	03/23/19

1 record(s) updated.

Delete Statement

1. From tblrecords create a query to remove row in location customer id number 17.

Customer_id	cFname	cLname	Address	Contact_no	Rice_Code	Rice_Variety	Rice_Volume	Price_Per_Sack	SubTotal	Date
1	CrisJohn	Pascualdo	Binalbagan	90909090745	226	Rosana	20	2000	40000	01/28/19
17	fred	roger	bacolod	09735482623	rc10	burdagol	12	2100	25200	03/22/19

- a. Solution

```
DELETE FROM `tblrecords` WHERE `Customer_id`=17;
```

- b. Results

1 record(s) Deleted.

2. Create a query to erase the data on customer id number 5.

Customer_id	fname	lName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785
3	cristy	condez	isabela	miller	09145367567
4	dave	enoria	hinigaran	dealer	09702546738
5	shaira	sablaon	kabankalan	farmer	09463765478

- a. Solution

```
DELETE FROM `tblcostumer` WHERE `Customer_id`=5;
```

- b. Results

1 record(s) Deleted.

3. From employee, write a query to remove john philip.

emp_id	first_name	last_name	email	address	contact_no	hire_date	job_id	Monthly_salary
1	john	philip	@john	laguna	09843527812	02-03-2017	manager	25000
2	pedro	penduko	@pedro	bacolod	09864356271	02-07-2017	driver	15000

- a. Solution

```
DELETE FROM `tblemployee` WHERE `emp_id`=1;
```

- b. Results

1 record(s) Deleted.

4. Create a query to remove maya from records.

Customer_id	cFname	cLname	Address	Contact_no	Rice_Code	Rice_Variety	Rice_Volume	Price_Per_Sack	SubTotal	Date
1	CrisJohn	Pasculado	Binalbagan	90909090745	226	Rosana	20	2000	40000	01/28/19
2	tedted	enoria	isabela	09071131291	226	sinandomeng	4	2100	8400	2/25/2019
3	mariteo	pineda	hinigaran	09090909588	rc10	sinandomeng	8	2100	16800	03/03/19
6	maya	condez	bacan	09526231134	226	burdagol	3	2200	6600	2/25/2019
7	joenel	gregorio	enclaro	09774904560	226	sinandomeng	30	2100	63000	03/01/19
8	teodorico	enoria	isabela	09090909012	222	rosana	25	2000	50000	03/04/19

a. Solution

```
DELETE FROM `tblrecords` WHERE cFname = "maya";
```

b. Results

1 record(s) Deleted.

5. Write a query to remove customer number 10 wherein tblricehistory.

Customer_id	r_Code	r_Variety	r_QTY	r_Price	r_Total	Amount	Change	Date
1	226	angelica	2	2000	4000	1000	5000	03/07/19
2	226	angelica	2	2400	4800	200	5000	02/23/19
6	226	sinandomeng	2	2100	4200	800	5000	02/23/19
7	226	sinandomeng	2	2000	4000	1000	5000	02/27/19
8	rc10	angelica	15	2000	30000	50000	20000	03/08/19
9	rc10	rosana	10	2200	2200	30000	27800	03/09/19
10	222	burdagol	10	2000	20000	20000	0	03/08/19
91	222	senandomeng	10	2100	21000	22000	1000	03/15/19

a. Solution

```
DELETE FROM `ricehistory` WHERE `Customer_id`=10;
```

b. Results

1 record(s) Deleted.

Sample Records

1. From ricehistory create a query to show all records.

a. Solution

```
SELECT * FROM `ricehistory`;
```

b. Results

Customer_id	r_Code	r_Variety	r_QTY	r_Price	r_Total	Amount	Change	Date
1	226	angelica	2	2000	4000	1000	5000	03/07/19
2	226	angelica	2	2400	4800	200	5000	02/23/19
6	226	sinandomeng	2	2100	4200	800	5000	02/23/19
7	226	sinandomeng	2	2000	4000	1000	5000	02/27/19
8	rc10	angelica	15	2000	30000	50000	20000	03/08/19
9	rc10	rosana	10	2200	2200	30000	27800	03/09/19
10	222	burdagol	10	2000	20000	20000	0	03/08/19
91	222	senandomeng	10	2100	21000	22000	1000	03/15/19
92	rc10	burdagol	12	2100	25200	26000	800.0	03/22/19
93	rosanna	rc10	12	2100	25200	30000	4800.0	03/23/19

10 result(s) found.

2. Write a query to display all records of employee.

a. Solution

```
SELECT * FROM `tblemployee`;
```

b. Results

emp_id	first_name	last_name	email	address	contact_no	hire_date	job_id	Monthly_salary
1	john	philip	@john	laguna	09843527812	02-03-2017	manager	25000
2	pedro	penduko	@pedro	bacolod	09864356271	02-07-2017	driver	15000
3	joseph	estrada	@joseph	iloilo	09675435623	02-17-2017	encoder	15000
4	gloria	macapagal	@gloria	isabela	09675849374	02-13-2018	cashier	16000

4 result(s) found.

3. Create a query to display all records of customer.

a. Solution

```
SELECT * FROM `tblcustomer`;
```

b. Results

Customer_id	fname	IName	Address	Job_Id	Contact_No.
1	tedted	enoria	isabela	retailer	09071131291
2	jude	tenido	binalbagan	retailer	09460346785
3	cristy	condez	isabela	miller	09145367567
4	dave	enoria	hinigaran	dealer	09702546738
5	shaira	sablaon	kabankalan	farmer	09463765478

5 result(s) found.

4. Write a query to show all data in records.

a. Solution

```
SELECT * FROM `tblrecords`;
```

b. Results

Customer_id	cFname	cLName	Address	Contact_no	Rice_Code	Rice_Variety	Rice_Volume	Price_Per_Sack	SubTotal	Date
1	CrisJohn	Pascualado	Binalbagan	90909090745	226	Rosana	20	2000	40000	01/28/19
2	tedted	enoria	isabela	09071131291	226	sinandomeng	4	2100	8400	2/25/2019
3	mariteo	pineda	hinigaran	09090909588	rc10	sinandomeng	8	2100	16800	03/03/19
6	maya	condez	bacan	09526231134	226	burdagol	3	2200	6600	2/25/2019
7	joenel	gregorio	enclaro	09774904560	226	sinandomeng	30	2100	63000	03/01/19
8	teodorico	enoria	isabela	09090909012	222	rosana	25	2000	50000	03/04/19
9	Mariou	near	perya	09786435673	rc10	Rosana	2	2000	4000	02/23/19
10	Christian Dave	enoria	bacolod	09071131291	rc10	sinandomeng	4	2000	8000	03/3/19
11	jona	ramoran	himamaylan	09032165231	226	sinandomeng	13	2000	26000	2/25/2019
15	melmar	enoria	hda.bacan	09765845637	216	burdagol	5	2100	10500	03/12/19
16	mica	enoria	lacarlota	09745832817	216	burdagol	10	2000	20000	03/16/19
17	fred	roger	bacolod	09735482623	rc10	burdagol	12	2100	25200	03/22/19
18	paul	blauro	canmoros	09753647283	226	angelica	12	2100	25200	03/23/19

13 result(s) found.

5. From stocks, create a query to display all data.

a. Solution

```
SELECT * FROM `tblstocks`;
```

b. Results

Stocks_Id	Co_id	Co_fName	Co_lName	Job_Id	Phone_no	RiceCode	RiceVariety	SackQty	Date_Stored
2	6	jude	tenido	Retailer	09564212112	222	Rosana	2	02/23/19
3	7	joenel	gregorio	Miller	09774904560	226	Sinandomeng	5	02/23/19
4	1	marie sheena	bernardino	Retailer	09732462634	rc10	Angelica	3	02/23/19
5	2	tedted	condez	Dealer	09987434333	222	Sinandomeng	50	02/23/19
9	4	john paul	blauro	supplier	09502908926	rc10	burdagol	12	02/23/19
12	10	mitchelyn	enoria	supplier	09965765723	rc10	rosana	20	02/07/19
13	15	ivan	enoria	supplier	09645376853	226	angelica	15	03/8/19
14	15	angelic	delagon	retailer	09789567483	216	burdagol	10	03/7/19
16	5	jether	isidro	Miller	34567	226	Sinandomeng	45	

9 result(s) found.