



**AMERICAN INTERNATIONAL UNIVERSITY-
BANGLADESH**

WHERE LEADERS ARE CREATED

INTRODUCTION TO DATABASE

Section-B

PROJECT ON

FOOD DELIVERY MANAGEMENT SYSTEM

SUBMITTED TO

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Food Delivery Management System

Introduction:

In this project, we represent our project by the help of ER diagram. Overall, this whole project displays 'Food Delivery Management System'.

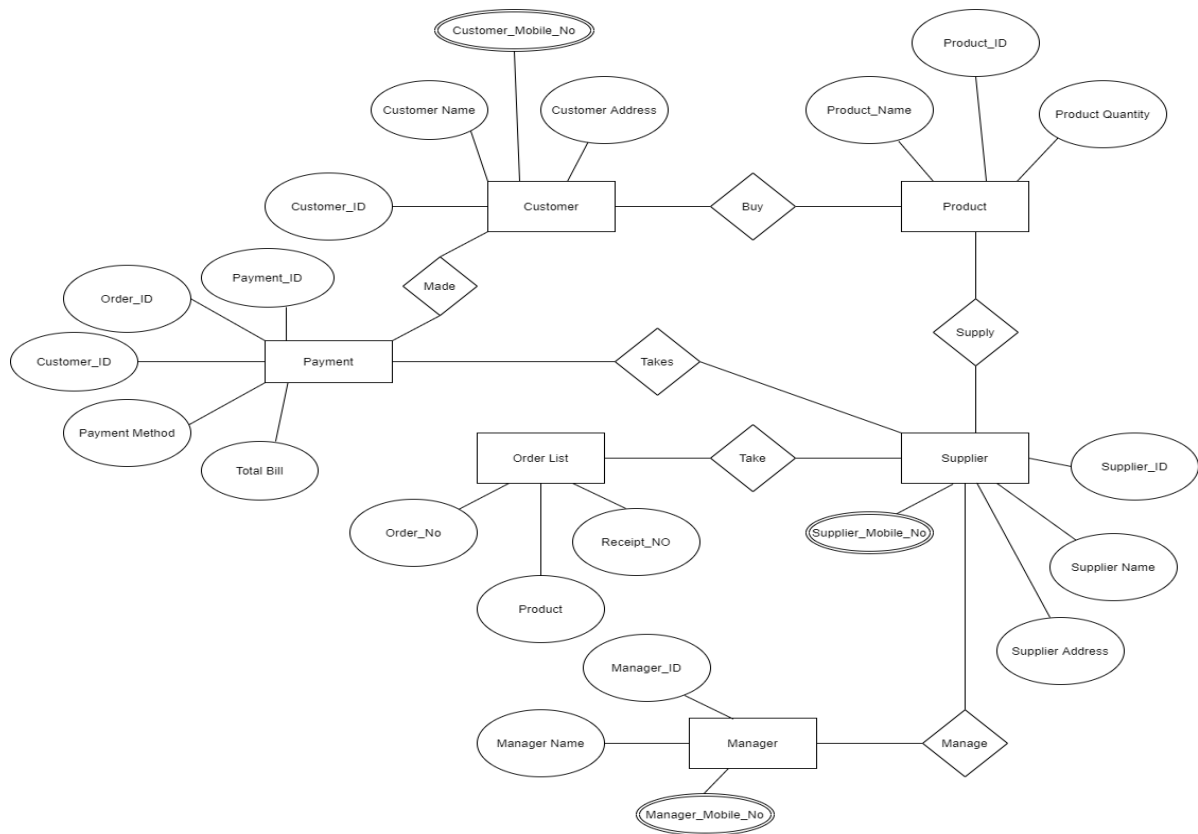
Food Delivery management system is a system that is designed to store, process and analyze information concerned with the works within restaurant and customer. This project aims at maintaining all the information pertaining to food delivery management.

Scenario:

This project is about SQL code for Food Delivery Management System.

The manager requires a database for all customers information. Customer id, customer name, customer mobile no is mentioned. Manager maintains order lists and the suppliers. In the manager sector there are manager id, manager name and manager mobile _no. Manager manage the order from the customer. That's why order list, order number, receipts number, supplier name, id, mobile no, address are mentioned. The customer needs a database for all foods information. That's why food name, food id, food quantity are mentioned. Then supplier takes the payment slip from manager and supplier takes the order list. In the order list there held order_no, receipt_no and product. Then the supplier takes the food from resturent and give it to the customer. Then customer have to made there payment to the supplier. So in the payment sector payment_id, order _id, customer_id, payment method and total bill are held. Customer can made there payment method by cash on delivery.

ER Diagram



Normalization:

Buy

UNF

Buy (customer-id, customer-name, customer-mobile no, customer-address, product-id, product-name, product-quantity)

1NF

Customer-mobile no is multi valued attribute.

1. customer-id, customer-name, customer-mobile no, customer-address, product-id, product-name, product-quantity.

2NF

1. customer-id, customer-name, customer-mobile no, customer-address.

2. product-id, product-name, product-quantity.

3NF

1. customer-id, customer-name.

2. product-id, product-name, product-quantity.

3. customer-mobile no, customer-address.

Table Creation

1. customer-id, customer-name, m-id, u-id.

2. product-id, product-name, q-id.

3. m-id, a-id, customer-mobile no, customer-address.

4. q-id, product-quantity.

Supply

UNF

Supply (product-name, product-id, product-quantity, supplier-id, supplier-name, supplier-address, supplier-mobile no.)

1NF

Supplier-mobile no is multi valued attribute.

1. product-name, product-id, product-quantity, supplier-id, supplier-name, supplier-address, supplier-mobile no.

2NF

1. product-name, product-id, product-quantity.

2. supplier-id, supplier-name, supplier-address, supplier-mobile no.

3NF

1. product-name, product-id, product-quantity.

2. supplier-id, supplier-name.

3. supplier-address, supplier-mobile no.

Table Creation

1. product-id, product-name, q-id.

2. q-id, product-quantity.

3. supplier-id, supplier-name, a-id, m-id.

4. a-id, supplier-address, m-id, supplier-mobile no.

Take

UNF

Take (order-no, product, receipt-no, supplier-id, supplier-name, supplier-address, supplier-mobile no.)

1NF

There is no multi valued attribute relation. Relation already in 1NF.

1. Order-no, product, receipt-no, supplier-id, supplier-name, supplier-address, supplier-mobile no.

2NF

1. Order-no, product, receipt-no.

2. supplier-id, supplier-name, supplier-address, supplier-mobile no.

3NF

1. Order-no, product, receipt-no.

2. supplier-id, supplier-name.

3. supplier-address, supplier-mobile no.

Table Creation

1. Order-no, product, receipt-no.

2. o-id, p-id, r-id.

3. supplier-id, supplier-name.

4. a-id, m-id.

Manage

UNF

Manage (manager-id, manager-name, manager-mobile no, supplier-id, supplier-name, supplier-address, supplier-mobile no.)

1NF

Manager-mobile no is multi valued attribute.

1. manager-id, manager-name, manager-mobile no, supplier-id, supplier-name, supplier-address, supplier-mobile no.

2NF

1. manager-id, manager-name, manager-mobile no.

2. supplier-id, supplier-name, supplier-address, supplier-mobile no.

3NF

1. manager-id, manager-name, manager-mobile no.

2. supplier-id, supplier-name.

3. supplier-address, supplier-mobile no.

Table Creation

1. manager-id, manager-name, m-id.

2. m-id, manager-mobile no.
3. supplier-id, supplier-name.
4. a-id, s-id.

Made

UNF

Made (payment-id, order-id, payment-method, total-bill, customer-id, customer-name, customer-mobile no, customer-address)

1NF

There is no multi valued attribute. Relation already in 1NF.

1. payment-id, order-id, customer-id, payment-method, total-bill, customer-id, customer-name, customer-mobile no, customer-address.

2NF

2. payment-id, order-id, customer-id, payment-method, total-bill.
3. customer-id, customer-name, customer-mobile no, customer-address.

3NF

1. payment-id, order-id, customer-id, payment-method, total-bill.
2. customer-id, customer-name.
3. customer-mobile no, customer-address.

Table Creation

1. payment-id, order-id, customer-id, p-id, b-id.
2. p-id, payment-method, b-id, total-bill.
3. customer-id, customer-name, a-id, m-id.
4. a-id, customer-address, m-id, customer-mobile no.

Takes

UNF

Takes (payment-id, order-id, customer-id, payment-method, total-bill, supplier-id, supplier-name, supplier-address, supplier-mobile no.)

1NF

Supplier-mobile no. is multi valued attribute.

1. payment-id, order-id, customer-id, payment-method, total-bill, supplier-id, supplier-name, supplier-address, supplier-mobile no.

2NF

1. payment-id, order-id, customer-id, payment-method, total-bill.
2. supplier-id, supplier-name, supplier-address, supplier-mobile no.

3NF

1. payment-id, order-id, customer-id, payment-method, total-bill.
2. supplier-id, supplier-name
3. supplier-address, supplier-mobile no.

Table Creation

1. payment-id, order-id, customer-id, p-id, b-id.
2. p-id, payment-method, b-id, total-bill.
3. supplier-id, supplier-name, a-id, m-id.
4. a-id, supplier-address, m-id, supplier-mobile no.

Temporary Tables

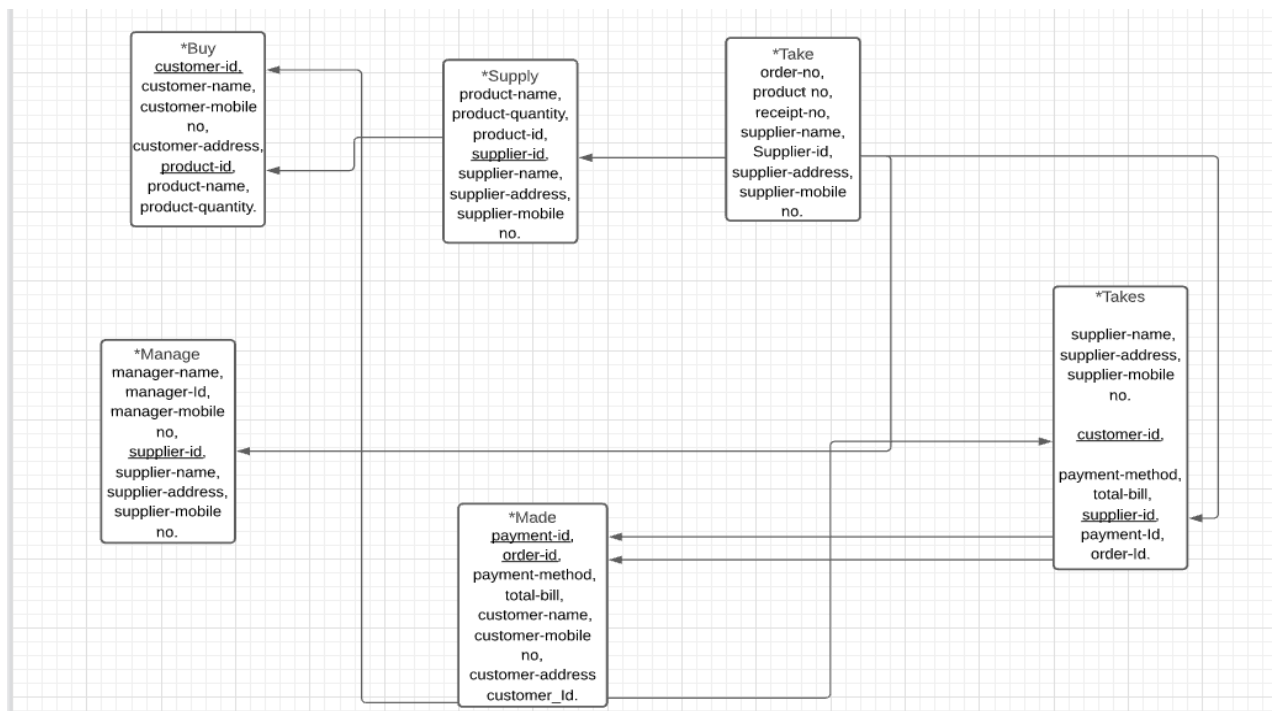
1. customer-id, customer-name, m-id, u-id.
2. product-id, product-name.
3. m-id, a-id, customer-mobile no, customer-address.
4. q-id, product-quantity.
5. product-id, product-name, q-id.
6. product-quantity.
7. supplier-id, supplier-name, a-id, m-id.
8. a-id, m-id, supplier-address, supplier-mobile no.
9. Order-no, product, receipt-no.
10. o-id, p-id, r-id.
11. supplier-id, supplier-name.
10. a-id, m-id.
11. manager-id, manager-name, m-id.
12. m-id, manager-mobile no.
13. a-id, s-id.

14. ~~payment-id, order-id, customer-id, b-id.~~
15. ~~p-id, payment-method, total-bill.~~
16. customer-id, customer-name, a-id.
17. ~~a-id, customer-address.~~
18. payment-id, order-id, customer-id, p-id, b-id.
19. p-id, b-id, payment-method, total-bill.
20. ~~supplier-id, supplier-name, a-id.~~
21. ~~a-id, supplier-address, supplier-mobile no.~~

Final Tables

1. customer-id, customer-name, m-id, u-id.
2. m-id, a-id, customer-mobile no, customer-address.
3. q-id, product-quantity.
4. product-id, product-name, q-id.
5. supplier-id, supplier-name, a-id, m-id.
6. a-id, m-id, supplier-address, supplier-mobile no.
7. Order-no, product, receipt-no.
8. manager-id, manager-name, m-id.
9. m-id, manager-mobile no.
10. a-id, s-id.
11. customer-id, customer-name, a-id.
12. payment-id, order-id, customer-id, p-id, b-id
13. p-id, payment-method, b-id, total-bill.

Schema Diagram:



Create Tables And Queries

Tables are :

1. Customer
2. Product
3. Manager
4. Supplier
5. Order list
6. Payment

For Creating Tables queries are,

1.Customer Table:

create table customer(

Name varchar(30),

Address varchar(30),

Phone number(13)

);

The screenshot shows the Oracle Application Express interface. The top navigation bar includes links for Home, Application Builder, SQL Workshop, Team Development, and Administration. The SQL Workshop tab is active, and the SQL Commands page is displayed. The query editor contains the following SQL code:

```
create table customer(
name varchar(30),
Address varchar(30),
Phone number(13)
);
describe customer;
```

The query has been executed successfully, and the results are displayed in a table below the query editor. The table is titled "TABLE Object CUSTOMER" and has the following structure:

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
CUSTOMER	NAME	VARCHAR2	30	-	-	-	✓	-	-
CUSTOMER	ADDRESS	VARCHAR2	30	-	-	-	✓	-	-
CUSTOMER	PHONE	NUMBER	-	13	0	-	✓	-	-

The page number "1 - 3" is displayed at the bottom right of the table.

2. Product Table:

```
create table product(
  SL number(10,0),
  Name varchar2(30),
  Company_Name varchar2(30),
  ID number(10,0),
  Build_date varchar2(25),
  Expire_date varchar2(25),
  Primary key(SL)
);
```

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Home Application Builder SQL Workshop Team Development Administration

Home > SQL Workshop > SQL Commands Schema HR Help

☒ Autocommit Rows 20 Save Run

```
create table product(
  SL number(10,0),
  Name varchar2(30),
  Company_Name varchar2(30),
  ID number(10,0),
  Build_date varchar2(25),
  Expire_date varchar2(25),
  Primary key(SL)
);

describe product;
```

Results Explain **Describe** Saved SQL History

Object Type: TABLE Object: PRODUCT

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PRODUCT	SL	NUMBER	-	10	0	1	-	-	-
	NAME	VARCHAR2	30	-	-	-	✓	-	-
	COMPANY_NAME	VARCHAR2	30	-	-	-	✓	-	-
	ID	NUMBER	-	10	0	-	✓	-	-
	BUILD_DATE	VARCHAR2	25	-	-	-	✓	-	-
	EXPIRE_DATE	VARCHAR2	25	-	-	-	✓	-	-

1 - 6

3. Manager Table:

```
create table manager(
SL number(10,0),
Name varchar2(30),
Address varchar2(30),
ID number(10,0),
Contact number(13,0),
Primary key(SL)
);
```

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Home SQL Workshop SQL Commands Schema HR Help

☒ Autocommit Rows 20 Save Run

```
create table manager(
SL number(10,0),
Name varchar2(30),
Address varchar2(30),
ID number(10,0),
Contact number(13,0),
Primary key(SL)
);
DESCRIBE manager;
```

Results Explain **Describe** Saved SQL History

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
MANAGER	SL	NUMBER	-	10	0	1	-	-	-
	NAME	VARCHAR2	30	-	-	-	✓	-	-
	ADDRESS	VARCHAR2	30	-	-	-	✓	-	-
	ID	NUMBER	-	10	0	-	✓	-	-
	CONTACT	NUMBER	-	13	0	-	✓	-	-

1 - 5

4. Supplier Table:

```
create table supplier(
SL number(10,0),
Name varchar2(30),
Address varchar2(30),
ID number(10,0),
```

Contact number(13,0),

Primary key(SL)

);

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Autocommit Rows 20 Save Run

```
create table supplier(
SL number(10,0),
Name varchar2(30),
Address varchar2(30),
ID number(10,0),
Contact number(13,0),
Primary key(SL)
);
DESCRIBE supplier;
```

Results Explain Describe Saved SQL History

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
SUPPLIER	SL	NUMBER	-	10	0	1	-	-	-
	NAME	VARCHAR2	30	-	-	-	✓	-	-
	ADDRESS	VARCHAR2	30	-	-	-	✓	-	-
	ID	NUMBER	-	10	0	-	✓	-	-
	CONTACT	NUMBER	-	13	0	-	✓	-	-

1 - 5

5. Orderlist Table:

create table orderlist(

SL number,

OrderNo number(10,0),

ReceiptNo number(10,0),

Product varchar2(30),

Quantity number(10,0),

PID number(10,0),

Primary key(SL)

);

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Home > SQL Workshop > SQL Commands

Autocommit Rows 20 Save Run

```
create table orderlist(  
  SL number,  
  Orderfno number(10,0),  
  Receiptfno number(10,0),  
  Product varchar2(30),  
  Quantity number(10,0),  
  PID number(10,0),  
  Primary key(SL)  
);  
DESCRIBE orderlist;
```

Results Explain Describe Saved SQL History

Object Type	TABLE	Object	ORDERLIST						
Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
ORDERLIST	SL	NUMBER	22	-	-	1	-	-	-
	ORDERFNO	NUMBER	-	10	0	-	✓	-	-
	RECEIPTFNO	NUMBER	-	10	0	-	✓	-	-
	PRODUCT	VARCHAR2	30	-	-	-	✓	-	-
	QUANTITY	NUMBER	-	10	0	-	✓	-	-
	PID	NUMBER	-	10	0	-	✓	-	-

1 - 6

6. Payment Table:

create table payment(

SL number(10,0),

Product_name Varchar2(30),

Quantity number(10,0),

PID number(10,0),

Primary key(SL)

);

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Home Application Builder SQL Workshop Team Development Administration

Home > SQL Workshop > SQL Commands

Schema: HR

Autocommit Rows: 20 Save Run

```

create table payment(
  Sl number(10,0),
  Product_name Varchar2(30),
  Quantity number(10,0),
  PID number(10,0),
  Primary key(Sl)
);
DESCRIBE payment;

```

Results Explain Describe Saved SQL History

Object Type	TABLE	Object	PAYMENT
Table	Column	Data Type	Length
PAYMENT	SL	NUMBER	- 10 0
	PRODUCT_NAME	VARCHAR2	30 - -
	QUANTITY	NUMBER	- 10 0
	PID	NUMBER	- 10 0
			1 - 4

Queries

Data Insertion:

1.Customer Table:

insert into customer(NAME,ADDRESS,PHONE)values('karim', 'dhaka', 0175844312);

insert into customer(NAME,ADDRESS,PHONE)values('himel', 'dhaka', 0195685325);

insert into customer(NAME,ADDRESS,PHONE)values('kabir', 'dhaka', 0195685330);

insert into customer(NAME,ADDRESS,PHONE)values('shakib','Bashundhara',01445468785);

insert into customer(NAME,ADDRESS,PHONE)values('mushfiq','Bogra',014454687586);

insert into customer(NAME,ADDRESS,PHONE)values('mahmud','Shylet',0176824446);

insert into customer(NAME,ADDRESS,PHONE)values('zaman','Rajhshahi',01445468795);

```
insert into
customer(NAME,ADDRESS,PHONE)values('hadi','Rangpur',014454686865);

insert into customer(NAME,ADDRESS,PHONE)values('mehedi', 'Chadpur',
0175844587);

insert into customer(NAME,ADDRESS,PHONE)values('anwar', 'Chittagong',
01758685214);

insert into
customer(NAME,ADDRESS,PHONE)values('Rohit','Khulna',014112347898);

insert into
customer(NAME,ADDRESS,PHONE)values('Alif','Dhaka',0172562347898);

insert into
customer(NAME,ADDRESS,PHONE)values('Amir','Rangpur',017116374598);

insert into
customer(NAME,ADDRESS,PHONE)values('Abid','Khulna',014559471898);

insert into
customer(NAME,ADDRESS,PHONE)values('ALAM','Rajhshai',014816571898
);

insert into
customer(NAME,ADDRESS,PHONE)values('Islam','Shylet',015869471498);
```

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Home > SQL Workshop > SQL Commands

Schema: hr

Autocommit Rows: 28 Save Run

```

insert into customer(NAME,ADDRESS,PHONE)values('himeL','dhaka','0195685325');
insert into customer(NAME,ADDRESS,PHONE)values('kabiR','dhaka','0195685330');
insert into customer(NAME,ADDRESS,PHONE)values('shakib','Bashundhara','01445468785');
insert into customer(NAME,ADDRESS,PHONE)values('mushfiq','Bogra','014454687586');
insert into customer(NAME,ADDRESS,PHONE)values('mahmud','Shylet','0176824446');
insert into customer(NAME,ADDRESS,PHONE)values('zaman','Rajshahi','01445468795');
insert into customer(NAME,ADDRESS,PHONE)values('hadi','Rangpur','01445468665');
insert into customer(NAME,ADDRESS,PHONE)values('mahedi','Chadpur','0175844587');
insert into customer(NAME,ADDRESS,PHONE)values('anwar','Chittagong','01758685214');
insert into customer(NAME,ADDRESS,PHONE)values('Rohit','Khulna','014112347898');
insert into customer(NAME,ADDRESS,PHONE)values('Alif','Dhaka','0172562347898');
insert into customer(NAME,ADDRESS,PHONE)values('Amin','Rangpur','017116374598');
insert into customer(NAME,ADDRESS,PHONE)values('Abid','Khulna','016559671898');
insert into customer(NAME,ADDRESS,PHONE)values('ALAM','Rajshahi','014816571898');
insert into customer(NAME,ADDRESS,PHONE)values('Islam','Shylet','015869471498');

SELECT * FROM customer;

```

Results Explain Describe Saved SQL History

NAME	ADDRESS	PHONE
karim	dhaka	175844312
himeL	dhaka	195685325
kabiR	dhaka	195685330
shakib	Bashundhara	1445468785
mushfiq	Bogra	14454687586
mahmud	Shylet	176824446
zaman	Rajshahi	1445468795
hadi	Rangpur	1445468665
mahedi	Chadpur	175844587
anwar	Chittagong	1758685214
Rohit	Khulna	14112347898

2. Product Table:

INSERT into

product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(1,'Bread',1110,'Akiz_Group','10.09.2021','13.09.2021');

INSERT into

product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(2,'Bread',1111,'ALL_TIME_Group','10.09.2021','13.09.2021');

INSERT into

product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(4,'Toast',1112,'PRAN_Group','10.09.2021','13.04.2022');

INSERT into

product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(5,'TOAST',1113,'KIDDO_Group','10.09.2021','21.06.2022');

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(6,'Z
AM',1114,'RUCHI_Group','15.08.2021','30.12.2021');
```

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(7,'BI
SCUIT',1115,'HAQUE_Group','6.09.2021','16.04.2022');
```

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(8,'C
HANACHUR',1116,'BOMBAY_Group','13.05.2021','25.12.2021');
```

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(9,'Z
AM',1110,'PRAN_Group','18.07.2021','05.10.2022');
```

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(10,'
DAL_BAHJA',1117,'PRAN_Group','18.07.2021','21.08.2022');
```

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(11,'
CHANACHUR',1118,'Ruchi_Group','09.04.2021','23.09.2022');
```

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(12,'
BISCUIT',1119,'OLYMPIC_Group','07.06.2021','28.11.2021');
```

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(13,'
CHIPS',1120,'BOMBAY_Group','14.09.2021','13.03.2022');
```

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(14,'
PLAIN_CALE',1110,'All_Time_Group','10.09.2021','13.09.2021');
```

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(15,'
CHOCOLATE',1122,'KITKAT','10.12.2021','18.06.2022');
```

```
INSERT into
product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(16,'
CHIPS',1123,'LAYS','17.11.2021','29.09.2022');
```


INSERT into

product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(17,'DAL_BAHJA',1124,'ALL_TIME_Group','10.09.2021','13.09.2021');

INSERT into

product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(18,'CHOCOLATE',1125,'Catbery','15.12.2021','19.11.2022');

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Schema: HR

Autocommit Rows: 20 Save Run

```

INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(4,'Toast',1112,'PRAN_Group','10.09.2021','13.04.2022');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(5,'TOAST',1113,'KIDDO_Group','10.09.2021','21.06.2022');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(6,'ZAM',1114,'RUCHI_Group','15.08.2021','30.12.2021');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(7,'BISCUIT',1115,'HAQUE_Group','6.09.2021','16.04.2022');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(8,'CHANACHUR',1116,'BOMBAY_Group','13.05.2021','25.12.2021');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(9,'ZAM',1118,'PRAN_Group','18.07.2021','05.10.2022');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(10,'DAL_BAHJA',1117,'PRAN_Group','18.07.2021','21.08.2022');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(11,'CHANACHUR',1118,'Ruchi_Group','09.04.2021','23.09.2022');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(12,'BISCUIT',1119,'OLYMPIC_Group','07.06.2021','28.11.2021');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(13,'CHIPS',1120,'BOMBAY_Group','14.09.2021','13.03.2022');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(14,'PLAIN_CALE',1118,'All_Time_Group','10.09.2021','13.09.2021');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(15,'CHOCOLATE',1122,'KITKAT','10.12.2021','18.06.2022');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(16,'CHIPS',1123,'LAYS','17.11.2021','29.09.2022');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(17,'DAL_BAHJA',1124,'ALL_TIME_Group','10.09.2021','13.09.2021');
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(18,'CHOCOLATE',1125,'Catbery','15.12.2021','19.11.2022');

SELECT * FROM product;

```

Results Explain Describe Saved SQL History

SL	NAME	COMPANY_NAME	ID	BUILD_DATE	EXPIRE_DATE
1	Bread	Akiz_Group	1110	10.09.2021	13.09.2021
2	Bread	ALL_TIME_Group	1111	10.09.2021	13.09.2021
4	Toast	PRAN_Group	1112	10.09.2021	13.04.2022
5	TOAST	KIDDO_Group	1113	10.09.2021	21.06.2022
6	ZAM	RUCHI_Group	1114	15.08.2021	30.12.2021
7	BISCUIT	HAQUE_Group	1115	6.09.2021	16.04.2022
8	CHANACHUR	BOMBAY_Group	1116	13.05.2021	25.12.2021
9	ZAM	PRAN_Group	1118	18.07.2021	05.10.2022
10	DAL_BAHJA	PRAN_Group	1117	18.07.2021	21.08.2022
11	CHANACHUR	Ruchi_Group	1118	09.04.2021	23.09.2022
12	BISCUIT	OLYMPIC_Group	1119	07.06.2021	28.11.2021

3. Manager Table:

insert into manager(SL,NAME,ADDRESS,ID,CONTACT)values(1,'Ashiq','Dhaka',2001,'0175656991465');

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```
insert into manager(SL,NAME,ADDRESS,ID,CONTACT)values(1,'Ashiq','Dhaka',2001,'0175656991465');
SELECT * FROM manager;
```

Results Explain Describe Saved SQL History

SL	NAME	ADDRESS	ID	CONTACT
1	Ashiq	Dhaka	2001	175656991465

1 rows returned in 0.01 seconds [Download](#)

4. Supplier Table:

insert into
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(1,'Anis','Banani',1001,'0
123344434');

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(2,'Altaf','Uttara',1002,'01  
75358434');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(3,'Raju','Banani',1003,'0  
1466268547');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(4,'Akif','Dhanmondi',10  
04,'0186569894');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(5,'Zobbar','New_Market'  
,1005,'0195354834');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(6,'Robi','Mohammadpur'  
,1006,'0186345834');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(7,'Bobi','Badda',1007,'01  
83587738');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(8,'Barkat','Baridhara',10  
08,'019358484');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(9,'Karim','Rampura',100  
9,'017933458414');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(10,'Mahi','Romna',1010,'  
0189654326145');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(11,'Shohan','Kuril',1011,'  
0174454934');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(12,'Rabbi','Banani',1012,  
'0173361884');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(13,'Mortuza','Basabo',10  
13,'0173369834');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(14,'Abrar','Syedabad',10  
14,'01896189736');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(15,'Mehedi','Nikunjo',10  
15,'01723384564');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(16,'Nihal','Boshundhara',  
1016,'0193689814');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(17,'Nafis','Kuratoli',1017  
, '0172338734');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(18,'Sadik','Mirpur',1018,'  
0182633134');
```

```
insert into  
supplier(SL,NAME,ADDRESS,ID,CONTACT)values(19,'Akash','Banani',1001  
9,'01524581434');
```

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```

insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(5,'Zobbar','New_Market',1005,'0195354834');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(6,'Robi','Mohammadpur',1006,'0186345834');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(7,'Robi','Badda',1007,'0183587738');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(8,'Barkat','Baridhara',1008,'019358484');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(9,'Karim','Rampura',1009,'017933458414');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(10,'Mahi','Romna',1010,'0189654326145');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(11,'Shohan','Kuril',1011,'0174454934');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(12,'Rabbi','Banani',1012,'0173361884');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(13,'Mortuza','Basabo',1013,'0173369834');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(14,'Abrar','Syedabad',1014,'01896189736');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(15,'Mehedi','Nikunjo',1015,'01723384564');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(16,'Nihal','Boshundhara',1016,'0193689814');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(17,'Nafis','Kuratoli',1017,'0172338734');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(18,'Sadik','Nirpur',1018,'0182633134');
insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(19,'Akash','Banani',10019,'01524581434');

SELECT * FROM supplier;

```

Results Explain Describe Saved SQL History

SL	NAME	ADDRESS	ID	CONTACT
1	Anis	Banani	1001	123344434
2	Altat	Uttara	1002	175358434
3	Raju	Banani	1003	1466268547
4	Akif	Dhamondi	1004	186589894
5	Zobbar	New_Market	1005	195354834
6	Robi	Mohammadpur	1006	186345834
7	Robi	Badda	1007	183587738
8	Barkat	Baridhara	1008	19358484
9	Karim	Rampura	1009	17933458414
10	Mahi	Romna	1010	189654326145
11	Shohan	Kuril	1011	174454934

5. Orderlist Table:

INSERT INTO

orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(1,112,2003,'Bread',2,124460);

INSERT INTO

orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(2,150,2053,'zamid',4,124890);

INSERT INTO

orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(3,185,2093,'Chanacur',3,129890);

INSERT INTO

orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(4,158,2183,'Chips',10,224790);

INSERT INTO

orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(5,130,2253,'Bread',4,139590);

INSERT INTO

orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(6,203,2691,'Dal_Bhaja',8,216240);

INSERT INTO

orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(7,137,1253,'Biscuit',15,124906);

INSERT INTO

orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(8,268,2397,'chips',3,612401);

INSERT INTO

orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(9,251,1689,'Bread',6,961547);

INSERT INTO

orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(10,172,2839,'zamm',7,193450);

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```

INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(1,112,2003,'Bread',2,124460);
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(2,150,2053,'zam',4,124890);
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(3,185,2093,'Chanacur',3,129890);
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(4,158,2183,'Chips',10,224790);
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(5,130,2253,'Bread',4,139590);
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(6,203,2691,'Dal_Bhaja',8,216240);
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(7,137,1253,'Biscuit',15,124906);
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(8,268,2397,'chips',3,612401);
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(9,251,1689,'Bread',6,961547);
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(10,172,2839,'zam',7,193450);

SELECT * FROM orderlist;
  
```

Results Explain Describe Saved SQL History

SL	ORDERNO	RECEIPTNO	PRODUCT	QUANTITY	PID
1	112	2003	Bread	2	124460
2	150	2053	zam	4	124890
3	185	2093	Chanacur	3	129890
4	158	2183	Chips	10	224790
5	130	2253	Bread	4	139590
6	203	2691	Dal_Bhaja	8	216240
7	137	1253	Biscuit	15	124906
8	268	2397	chips	3	612401
9	251	1689	Bread	6	961547
10	172	2839	zam	7	193450

48 rows returned in 0.00 seconds

6. Payment Table:

```

INSERT INTO
payment(SL,Product_Name,Quantity,PID)VALUES(1,'Bread',2,124460);

INSERT INTO
payment(SL,Product_Name,Quantity,PID)VALUES(2,'zam',4,124890);

INSERT INTO
payment(SL,Product_Name,Quantity,PID)VALUES(3,'Chanacur',3,129890);

INSERT INTO
payment(SL,Product_Name,Quantity,PID)VALUES(4,'Chips',10,224790);

INSERT INTO
payment(SL,Product_Name,Quantity,PID)VALUES(5,'Bread',4,139590);

INSERT INTO
payment(SL,Product_Name,Quantity,PID)VALUES(6,'Dal_Bhaja',8,216240);

INSERT INTO
payment(SL,Product_Name,Quantity,PID)VALUES(7,'Biscuit',15,124906);

INSERT INTO
payment(SL,Product_Name,Quantity,PID)VALUES(8,'chips',3,612401);

INSERT INTO
payment(SL,Product_Name,Quantity,PID)VALUES(9,'Bread',6,961547);

INSERT INTO
payment(SL,Product_Name,Quantity,PID)VALUES(10,'zam',7,193450);

```

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```

INSERT INTO payment(SL,Product_Name,Quantity,PID)VALUES(1,'Bread',2,124460);
INSERT INTO payment(SL,Product_Name,Quantity,PID)VALUES(2,'zam',4,124890);
INSERT INTO payment(SL,Product_Name,Quantity,PID)VALUES(3,'Chanacur',3,129890);
INSERT INTO payment(SL,Product_Name,Quantity,PID)VALUES(4,'Chips',10,224790);
INSERT INTO payment(SL,Product_Name,Quantity,PID)VALUES(5,'Bread',4,139590);
INSERT INTO payment(SL,Product_Name,Quantity,PID)VALUES(6,'Dal_Bhaja',8,216240);
INSERT INTO payment(SL,Product_Name,Quantity,PID)VALUES(7,'Biscuit',15,124906);
INSERT INTO payment(SL,Product_Name,Quantity,PID)VALUES(8,'chips',3,612401);
INSERT INTO payment(SL,Product_Name,Quantity,PID)VALUES(9,'Bread',6,961547);
INSERT INTO payment(SL,Product_Name,Quantity,PID)VALUES(10,'zam',7,193450);

SELECT * FROM payment;

```

Results Explain Describe Saved SQL History

SL	PRODUCT_NAME	QUANTITY	PID
1	Bread	2	124460
2	zam	4	124890
3	Chanacur	3	129890
4	Chips	10	224790
5	Bread	4	139590
6	Dal_Bhaja	8	216240
7	Biscuit	15	124906
8	chips	3	612401
9	Bread	6	961547
10	zam	7	193450

10 rows returned in 0.00 seconds [Download](#)

Query Writing

Sub Query :

Q1.Display the SL, Orderno and Product from orderlist table Where Qunatity is Minimum using Subquery.

```
SELECT sl,orderno, product, Quantity FROM orderlist
WHERE Quantity=(SELECT MIN(Quantity) From orderlist);
```

The screenshot shows the Oracle Application Express interface. The top navigation bar includes 'Home', 'Application Builder', 'SQL Workshop', 'Team Development', and 'Administration'. The 'SQL Workshop' tab is active, and the 'SQL Commands' page is displayed. The SQL editor contains the following query:

```
SELECT sl,orderno, product, Quantity FROM orderlist
WHERE Quantity=(SELECT MIN(Quantity) From orderlist);
```

Below the editor, the 'Results' tab is selected, showing a table with the following data:

SL	ORDERNO	PRODUCT	QUANTITY
1	112	Bread	2

At the bottom, it indicates '1 rows returned in 0.01 seconds' and provides a 'Download' link.

Q2.Display the Products From Poduct table Where id is bigger than 1110 using Subquery.

```
SELECT ID, Name , SL ,Company_Name
FROM product
WHERE ID = ID
AND ID >1110;
```


← → ↺ 127.0.0.1:8080/apex/f?p=4500:1003:3325857485820843:NO::

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Autocommit Rows 20 Save Run

```
SELECT ID, Name, SL, Company_Name
FROM product
WHERE ID = ID
AND ID > 1110;
```

Results Explain Describe Saved SQL History

ID	NAME	SL	COMPANY_NAME
1111	Bread	2	ALL_TIME_Group
1112	Toast	4	PRAN_Group
1113	TOAST	5	KIDDO_Group
1114	ZAM	6	RUCHI_Group
1115	BISCUIT	7	HAQUE_Group
1116	CHANACHJUR	8	BOMBAY_Group
1117	DAL_BAHJIA	10	PRAN_Group
1118	CHANACHJUR	11	Ruchi_Group
1119	BISCUIT	12	OLYMPIC_Group
1120	CHIPS	13	BOMBAY_Group
1122	CHOCOLATE	15	KITKAT
1123	CHIPS	16	LAYS
1124	DAL_BAHJIA	17	ALL_TIME_Group
1125	CHOCOLATE	18	Catbery

14 rows returned in 0.00 seconds Download

Joining Query :

Q1. Write a query for Name, Id, Address for all the Managers and Suppliers from manager and supplier table.

```
SELECT M.id, M.name, M.ADDRESS, S.name, S.id, S.ADDRESS
FROM manager M, supplier S WHERE M.id=S.id;
```

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```
SELECT M.Id, M.name, M.ADDRESS, S.name, S.Id, S.ADDRESS
FROM manager M, supplier S WHERE M.Id=S.Id
```

Results Explain Describe Saved SQL History

ID	NAME	ADDRESS	NAME	ID	ADDRESS
1006	Rabbi	Meherpur	Robi	1006	Mohammadpur
1007	Borhan	Barishal	Bobo	1007	Badda
1008	Barik	Khulna	Barkat	1008	Bandhara
1009	Araf	Rajshahi	Karim	1009	Rampura
1012	Rafid	Barguna	Rabbi	1012	Banani
1013	Fahad	Chadpur	Mortuza	1013	Basabo
1014	Atik	Sirajganj	Abbar	1014	Syedabad
1015	Mahadi	Netrokona	Mehedi	1015	Nikunjo
1016	Nihal	Lalmonirhat	Nihal	1016	Boshundhara
1017	Nafis	Shyllet	Nafis	1017	Kuratoli
1018	Sayer	Madaripur	Sadik	1018	Mirpur

11 rows returned in 0.01 seconds [Download](#)

Q2. Write a query which will select all the COMPANY_NAME, BUILD_DATE and ORDERNO from Product and Orderlist table using left join.

SELECT product.SL, product.COMPANY_NAME, product.BUILD_DATE, orderlist.ORDERNO

FROM product

LEFT JOIN orderlist ON orderlist.SL=product.SL;

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```
SELECT product.SL, product.COMPANY_NAME, product.BUILD_DATE, orderlist.ORDERNO
FROM product
LEFT JOIN orderlist ON orderlist.SL=product.SL;
```

Results Explain Describe Saved SQL History

SL	COMPANY_NAME	BUILD_DATE	ORDERNO
1	Aktz_Group	10.09.2021	112
2	ALL_TIME_Group	10.09.2021	150
4	PRAN_Group	10.09.2021	158
5	KIDDO_Group	10.09.2021	130
6	RUCHI_Group	15.08.2021	203
7	HAQUE_Group	6.09.2021	137
8	BOMBAY_Group	13.05.2021	268
9	PRAN_Group	18.07.2021	251
10	PRAN_Group	18.07.2021	172

View Query :

Q1. Write a query for view and show the Address of the supplier's who lives in Banani from Supplier table.

```
SELECT id ,name , address, contact FROM supplier
WHERE address='Banani';
```

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```
SELECT id,name , address, contact FROM supplier
WHERE address='Banani';
```

Results Explain Describe Saved SQL History

ID	NAME	ADDRESS	CONTACT
1001	Anis	Banani	123344434
1003	Raju	Banani	1466268547
1012	Rabbi	Banani	173361884
10019	Akash	Banani	1524581434

4 rows returned in 0.00 seconds [Download](#)

Q2. Write a query for view and show all the product of Pran_group from product table.

```
SELECT * FROM product
WHERE COMPANY_NAME='PRAN_Group';
```

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```
SELECT * FROM product
WHERE COMPANY_NAME='PRAN_Group';
```

Results Explain Describe Saved SQL History

SL	NAME	COMPANY_NAME	ID	BUILD_DATE	EXPIRE_DATE
4	Toast	PRAN_Group	1112	10.09.2021	13.04.2022
9	ZAM	PRAN_Group	1110	18.07.2021	05.10.2022
10	DAL_BAHJA	PRAN_Group	1117	18.07.2021	21.08.2022

3 rows returned in 0.00 seconds [Download](#)

Relational Algebra:

1. Find the product on orderlist where id is 216240.

Answer: $\Pi_{product_name}(\sigma_{product_id= "216240"} (orderlist))$

2. . Find the name of supplier and supplier id where address is Bashundhara.

Answer: $\Pi_{supplier_name}(\sigma_{supplier_id= "Bashundhara"} (supplier))$

3. Find the name of customer and customer's id where address is Bashundhara.

Answer: $\Pi_{customer_name, customer_id}(\sigma_{customer_address= "Bashundhara"} (customer))$

4. Find the name of Manager and his contact number where address is Dhaka.

Answer: $\Pi_{manager_name, contact_number}(\sigma_{manager_address= "Dhaka"} (manager))$

Conclusion:

In this paper, we have presented that why and how the food delivery management system can be used and built. This food delivery management system is built for the customers who are dealing with busy lives, this could help them to save some of their time. With private login system customer can place a secure online order and also can view or receive the updates in real-time. It allows the customers to navigate through the menus and customize their orders. Our experience in developing this software was to show the abilities of wireless communication and in refining the business management and decent service delivery. By this application the customer can access their adored food in their place itself. Moreover, this application is useful to all the introverts who hesitate to interact with others. It is very simple to use and it gives an efficient way also. This designed project is customer friendly and can be used efficiently for storing the customer details, orders, payment options, etc. Thus, this system is user-friendly, convenient and effective so that improves the restaurants performance.