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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CONTENTS

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’.

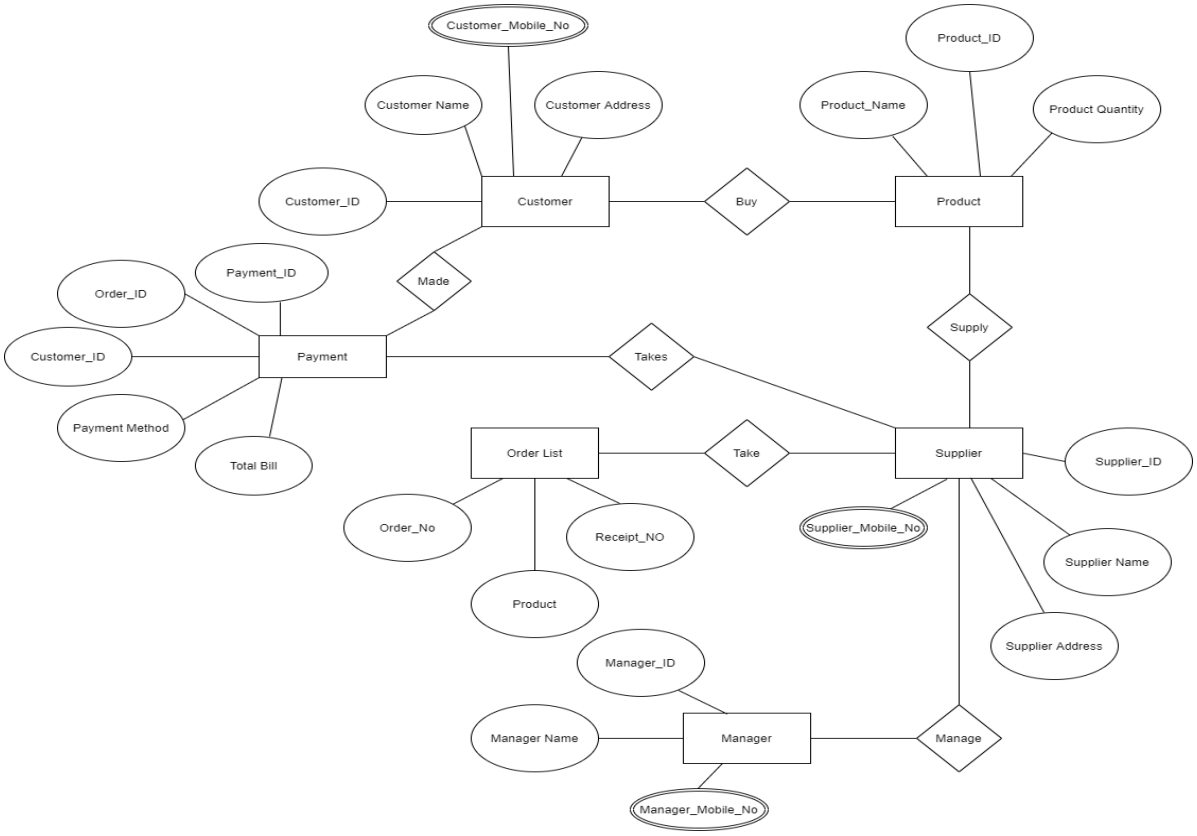
Food Delivery management system is a system that is designed to store, process and analyze information concerned with the works within restaurant and customer. This project aims at maintaining all the information pertaining to food delivery management.

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


Customer_Mobile_No
Customer Name
Customer Address
Customer_ID
Customer
Buy
Product_ID
Product_Name
Product Quantity
Product
Payment_ID
Order_ID
Made
Customer_ID
Payment
Takes
Payment Method
Total Bill
Supply
Order List
Take
Supplier
Supplier_ID
Order_No
Receipt_NO
Supplier_Mobile_No
Supplier Name
Product
Supplier Address
Manager_ID
Manager Name
Manager
Manage
Manager_Mobile_No

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

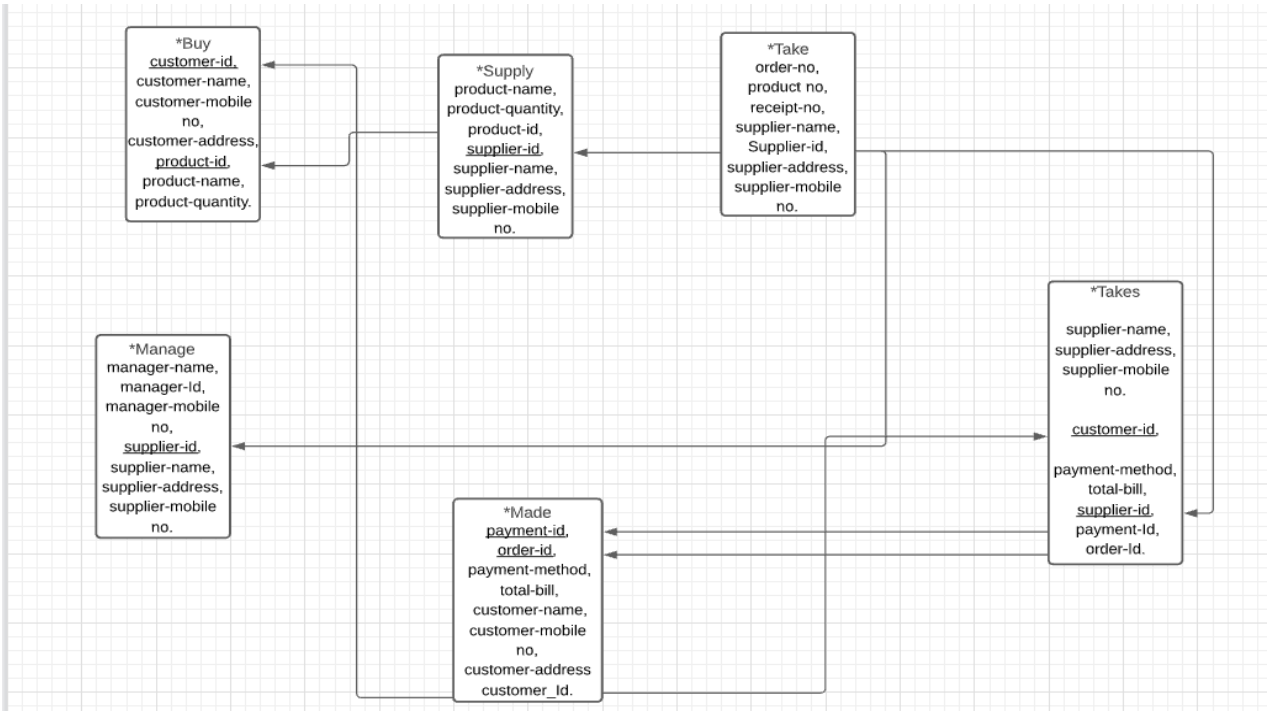
1. customer-id, customer-name, m-id, u-id.
2. ~~product-id, product-name~~.
3. m-id, a-id, customer-mobile no, customer-address.
4. q-id, product-quantity.
5. product-id, product-name, q-id.
6. ~~product-quantity~~.
7. supplier-id, supplier-name, a-id, m-id.
8. a-id, m-id, supplier-address, supplier-mobile 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

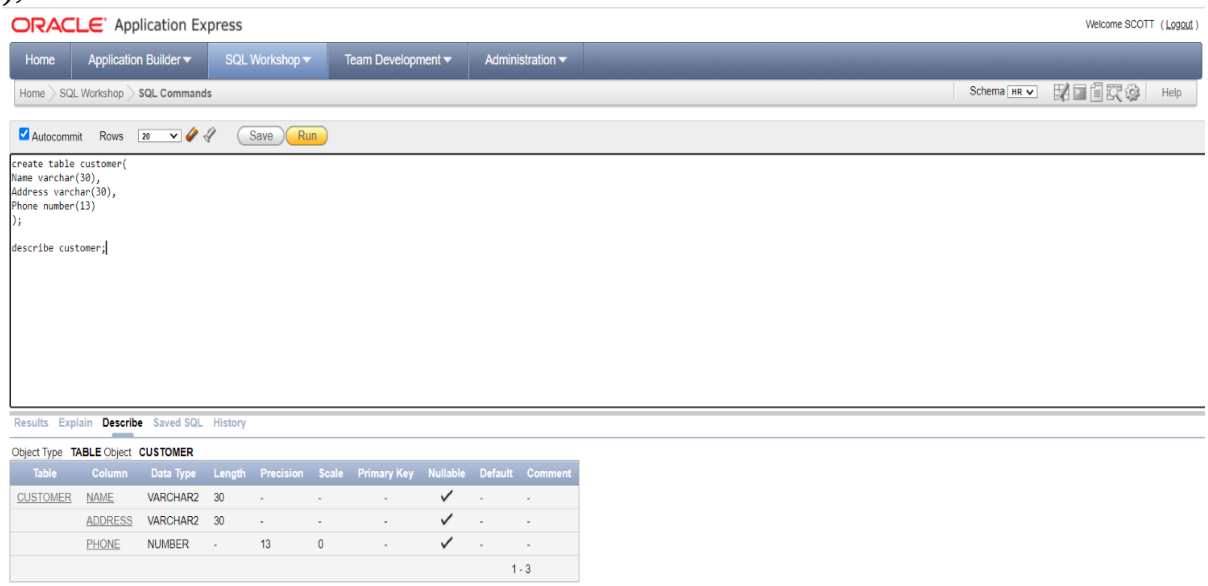
Tables are :

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

For Creating Tables queries are,

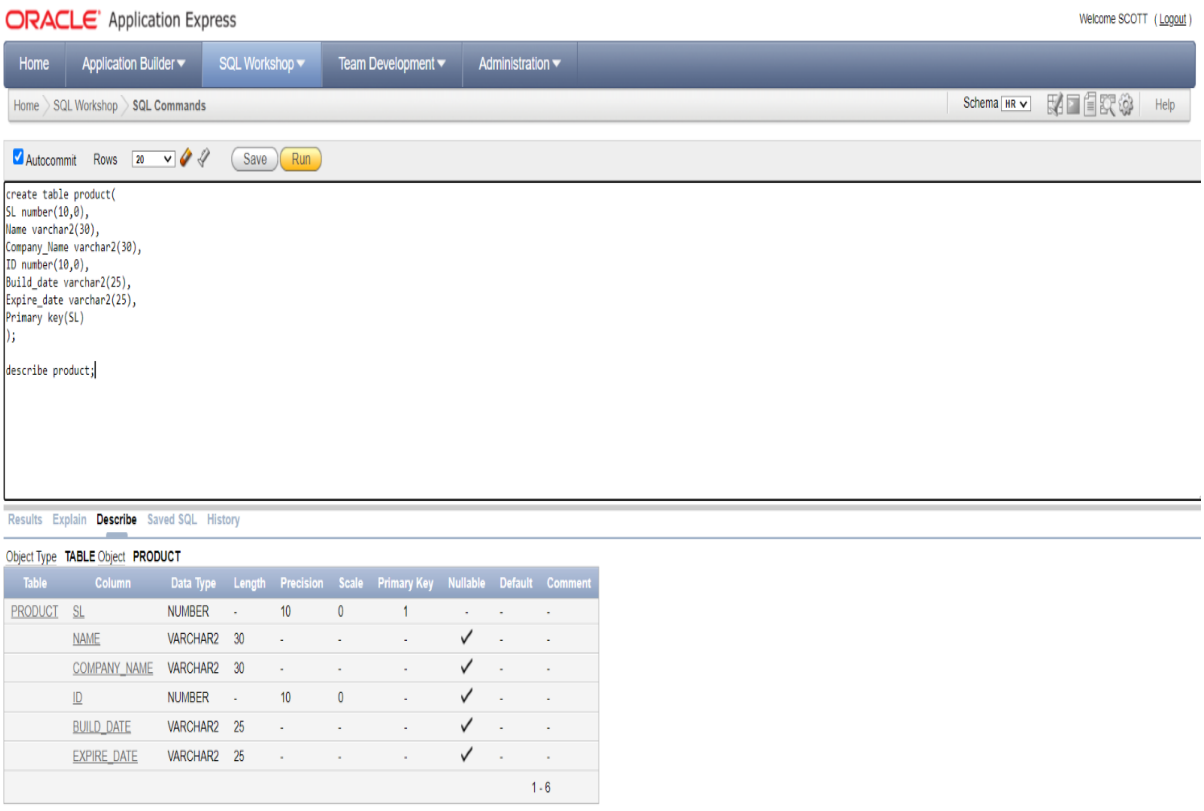
1.Customer Table:

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



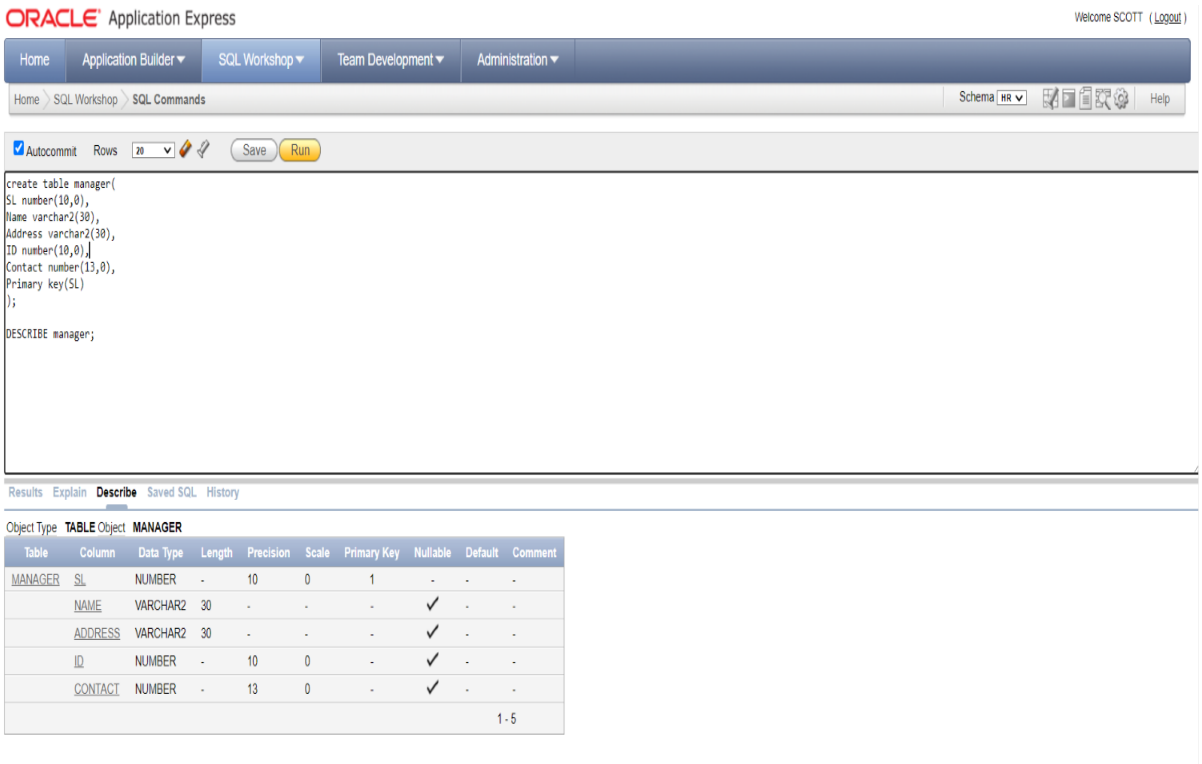
2.Product Table:

```
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)
);
```



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)
);
```



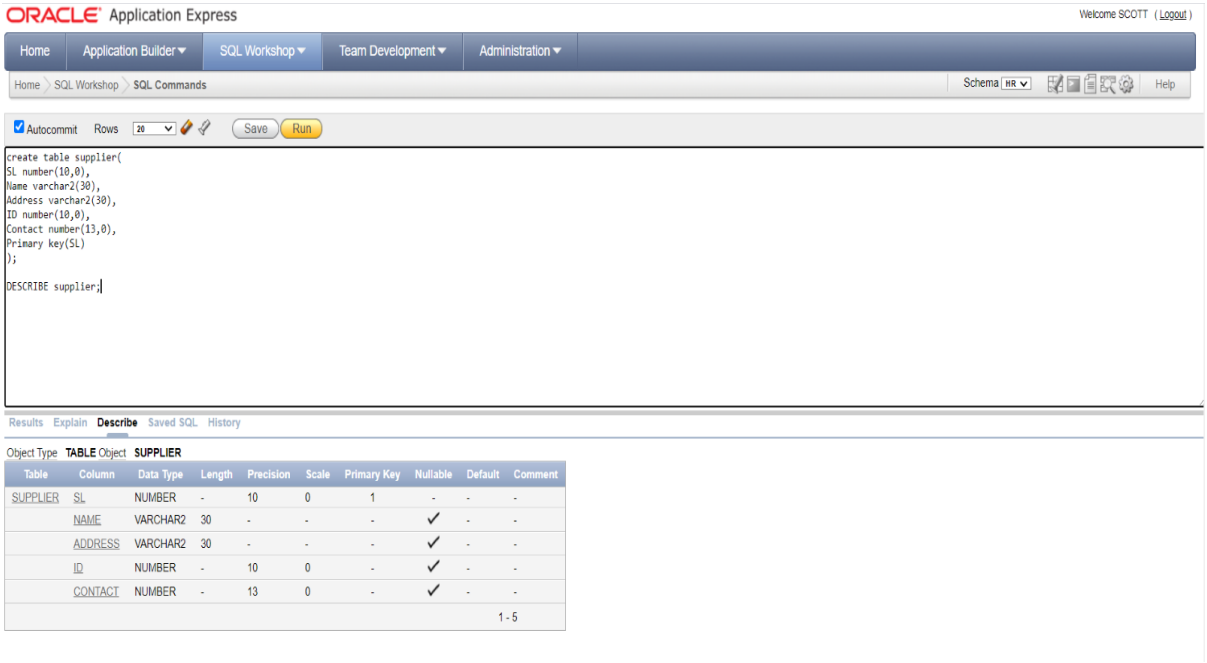
4. Supplier Table:

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

Contact number(13,0),

Primary key(SL)

);



5. <u>Orderlist Table:</u>

create table orderlist(

SL number,

OrderNo number(10,0),

ReceiptNo number(10,0),

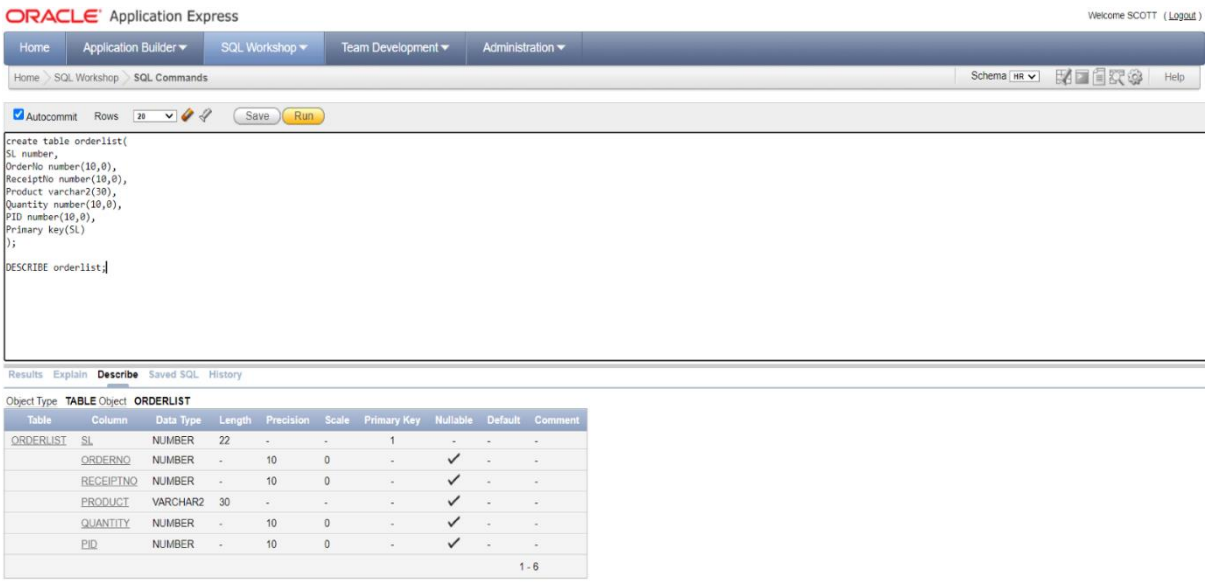
Product varchar2(30),

Quantity number(10,0),

PID number(10,0),

Primary key(SL)

);



6. Payment Table:

create table payment(

SL number(10,0),

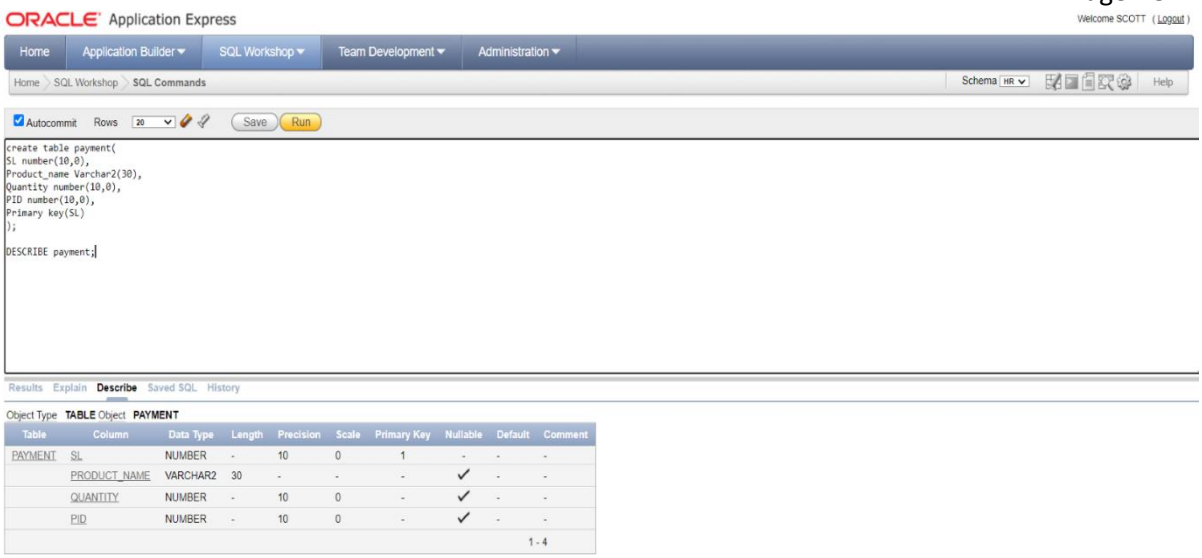
Product_name Varchar2(30),

Quantity number(10,0),

PID number(10,0),

Primary key(SL)

);



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);

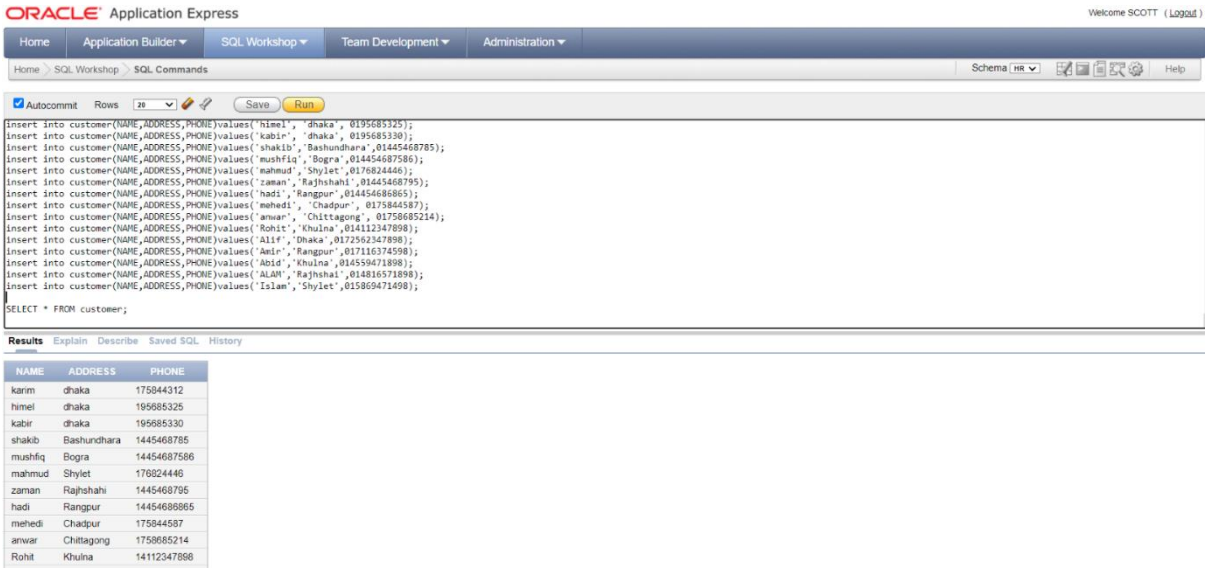
insert into customer(NAME,ADDRESS,PHONE)values('shakib','Bashundhara',01445468785);

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);
```



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');

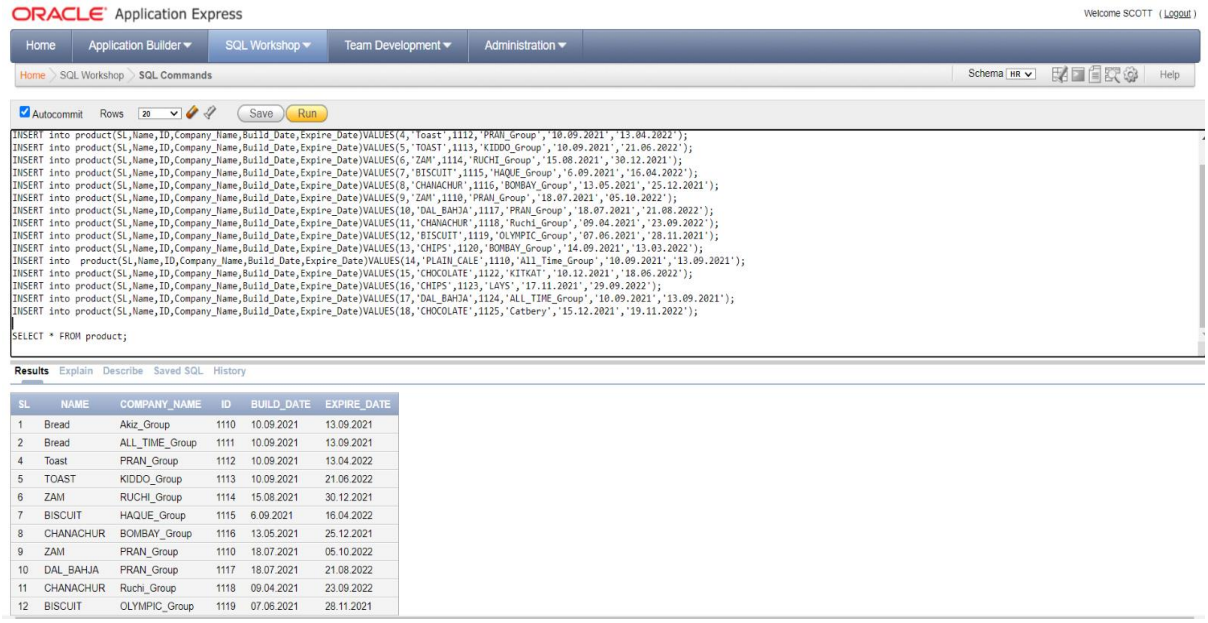
INSERT into product(SL,Name,ID,Company_Name,Build_Date,Expire_Date)VALUES(4,'Toast',1112,'PRAN_Group','10.09.2021','13.04.2022');

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');



3. Manager Table:

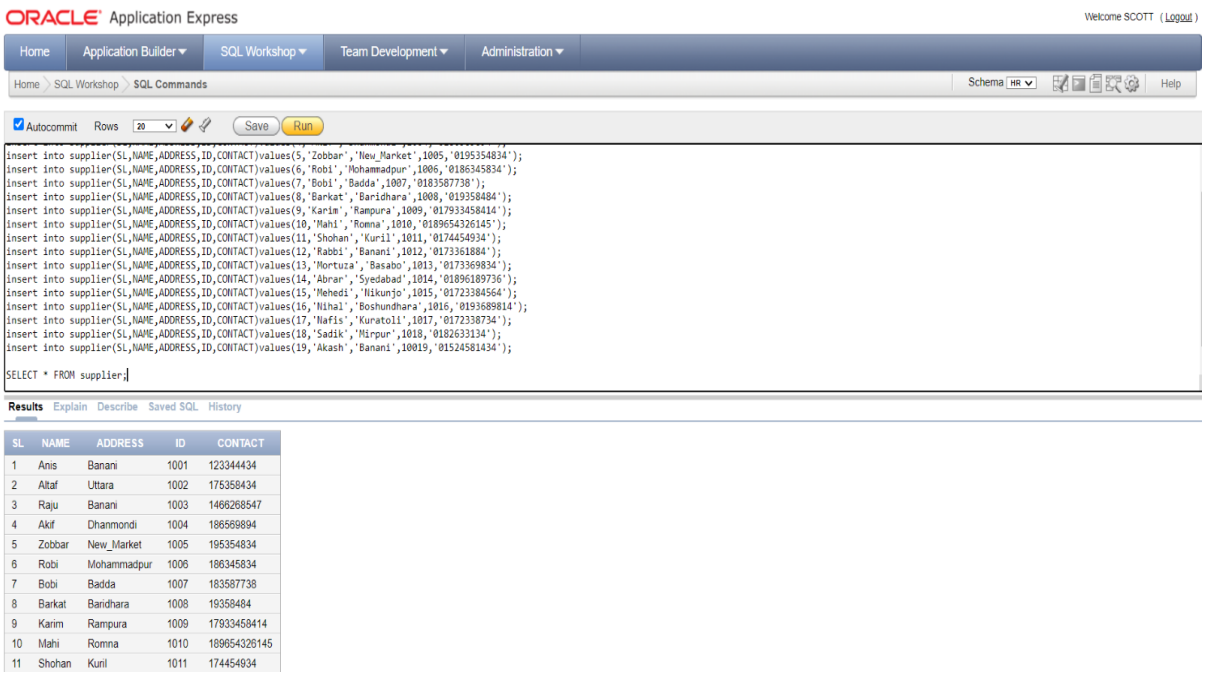
insert into manager(SL,NAME,ADDRESS,ID,CONTACT)values(1,'Ashiq','Dhaka',2001,'0175656991465');

4. Supplier Table:

insert into supplier(SL,NAME,ADDRESS,ID,CONTACT)values(1,'Anis','Banani',1001,'0123344434');

```
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');
```



5. Orderlist Table:

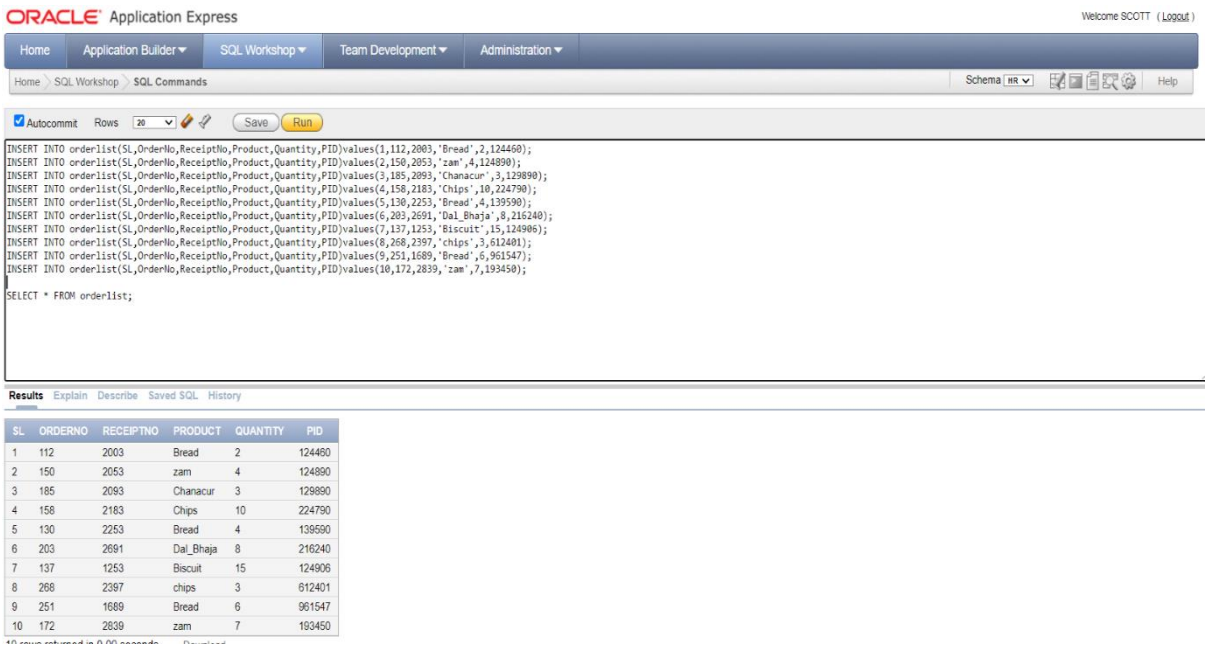
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(1,112,2003,'Bread',2,124460);

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

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

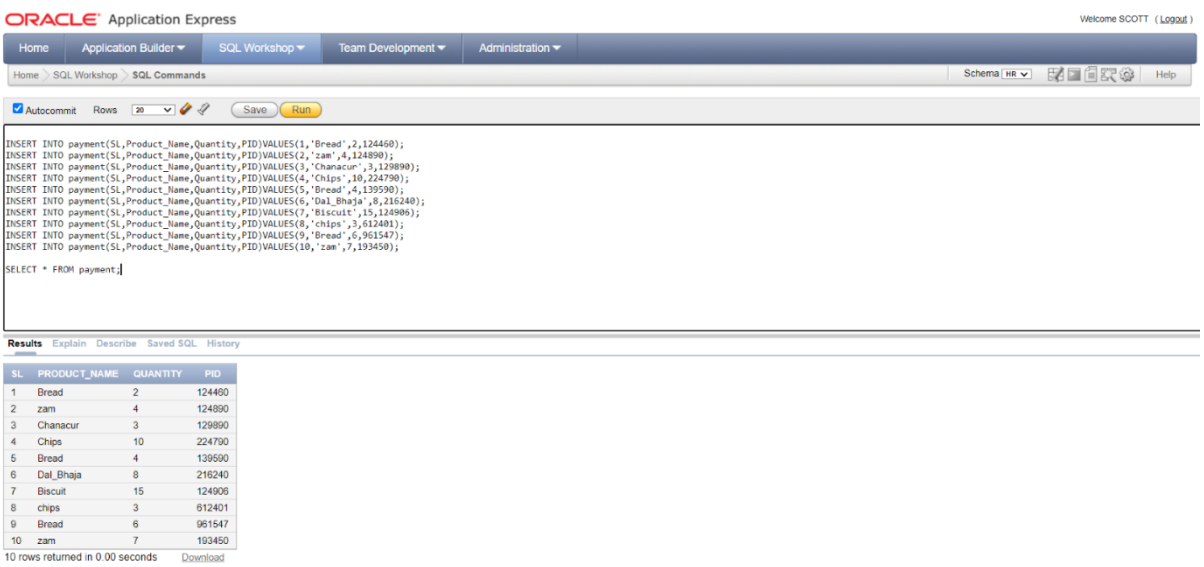
INSERT INTO orderlist(SL,OrderNo,ReceiptNo,Product,Quantity,PID)values(4,158,2183,'Chips',10,224790);

```
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);
```



6. <u>Payment Table:</u>

```
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);
```

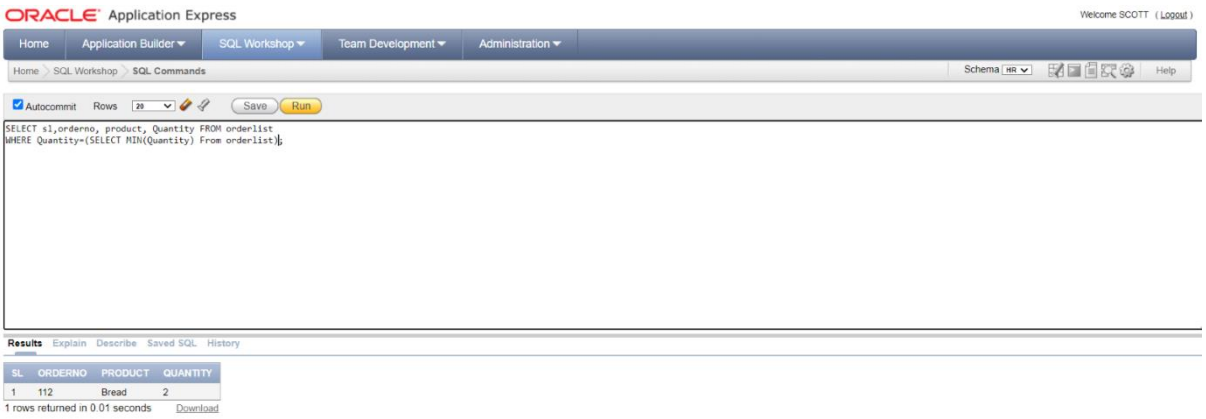


Query Writing

Sub Query :

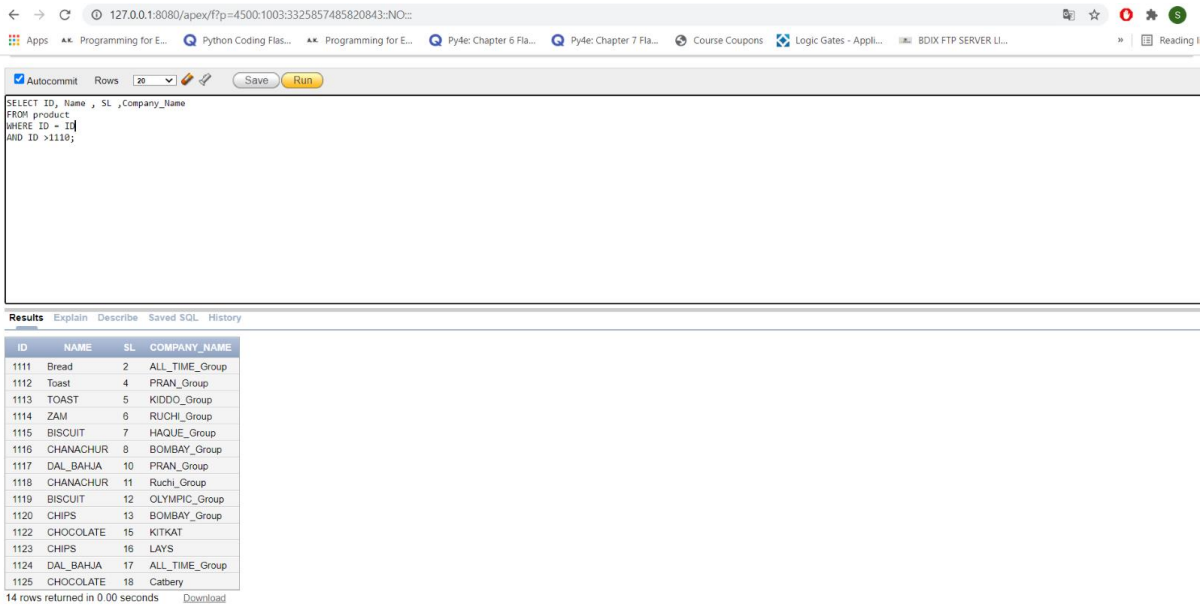
Q1.Display the SL, Orderno and Product from orderlist table Where Qunatity is Minimum using Subquery.

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



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;
```



```
SELECT ID, Name , SL ,Company_Name
FROM product
WHERE ID > 10
AND ID >1110;
```

Results Explain Describe Saved SQL History

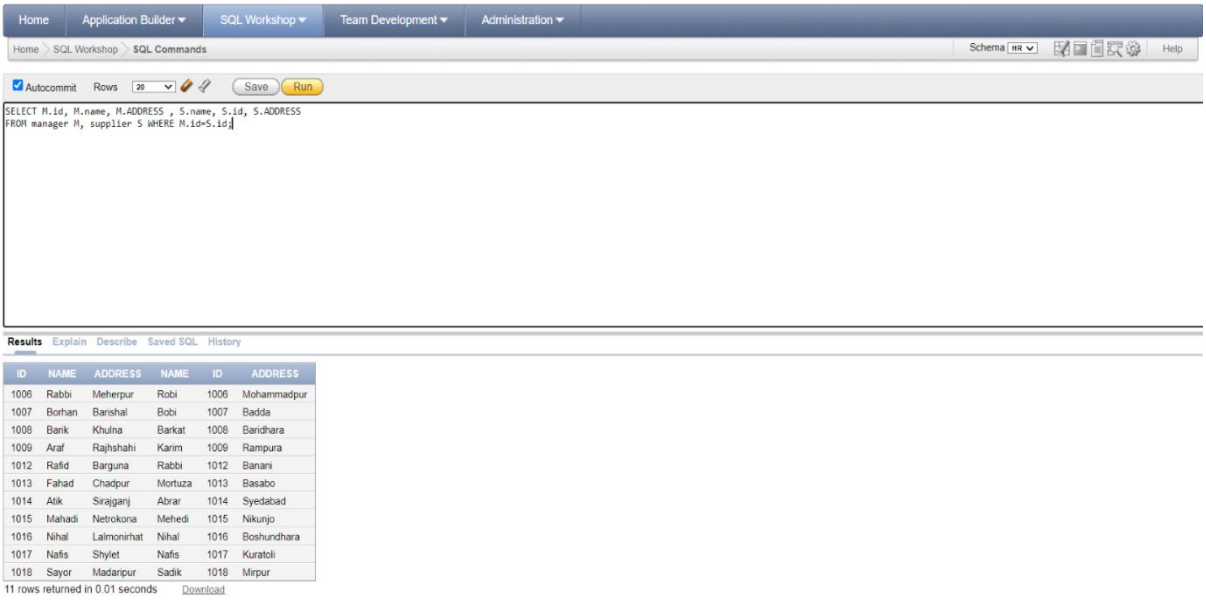
ID	NAME	SL	COMPANY_NAME
1111	Bread	2	ALL_TIME_Group
1112	Toast	4	PRAN_Group
1113	TOAST	5	KIDDO_Group
1114	ZAM	6	RUCHI_Group
1115	BISCUIT	7	HAQUE_Group
1116	CHANACHUR	8	BOMBAY_Group
1117	DAL_BAHJA	10	PRAN_Group
1118	CHANACHUR	11	Ruchi_Group
1119	BISCUIT	12	OLYMPIC_Group
1120	CHIPS	13	BOMBAY_Group
1122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

14 rows returned in 0.00 seconds Download

Joining Query :

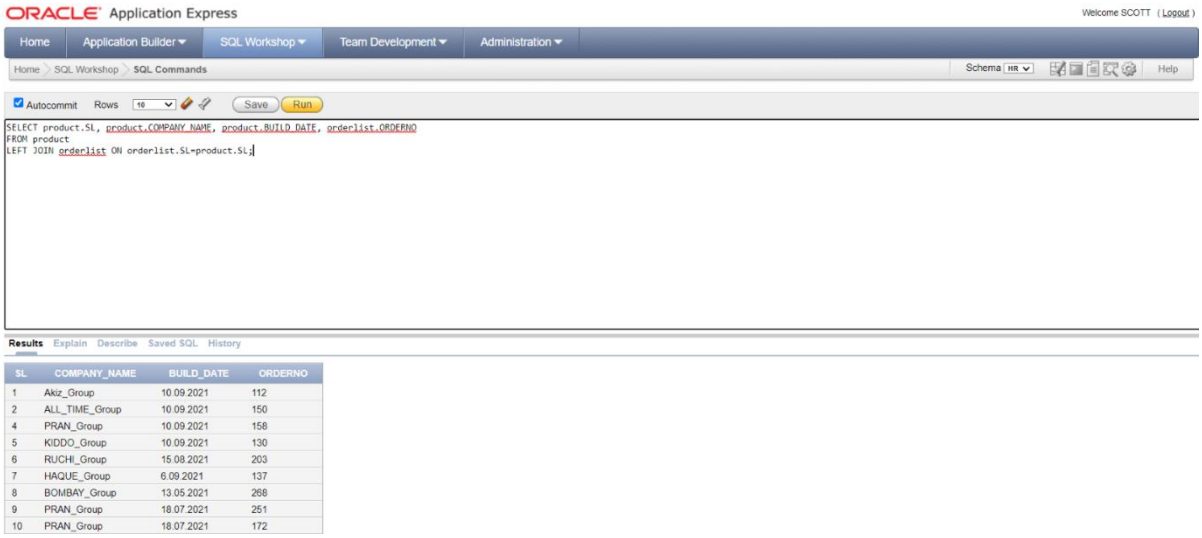
Q1.Write a query for Name,Id, Address for all the Managers and Suppliers from manager and supplier table.

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



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;
```

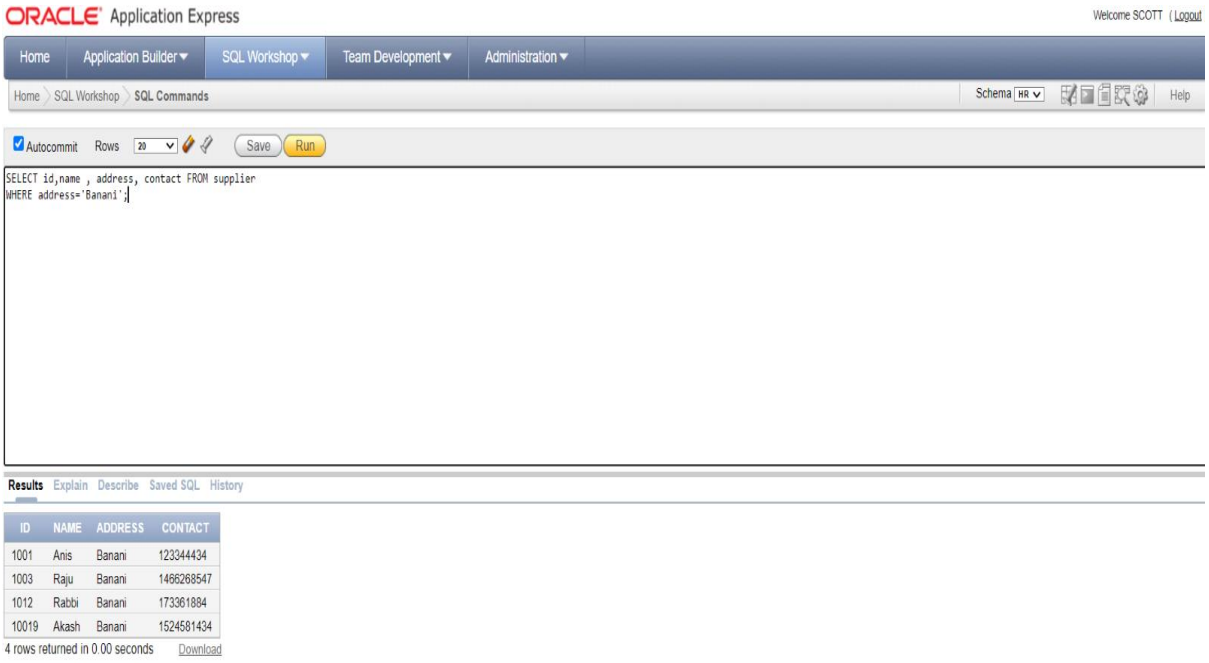


SL	COMPANY_NAME	BUILD_DATE	ORDERNO
1	Akiz_Group	10.09.2021	112
2	ALL_TIME_Group	10.09.2021	150
4	PRAN_Group	10.09.2021	158
5	KIDDO_Group	10.09.2021	130
6	RUCHI_Group	15.08.2021	203
7	HAQUE_Group	6.09.2021	137
8	BOMBAY_Group	13.05.2021	268
9	PRAN_Group	18.07.2021	251
10	PRAN_Group	18.07.2021	172

View Query :

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

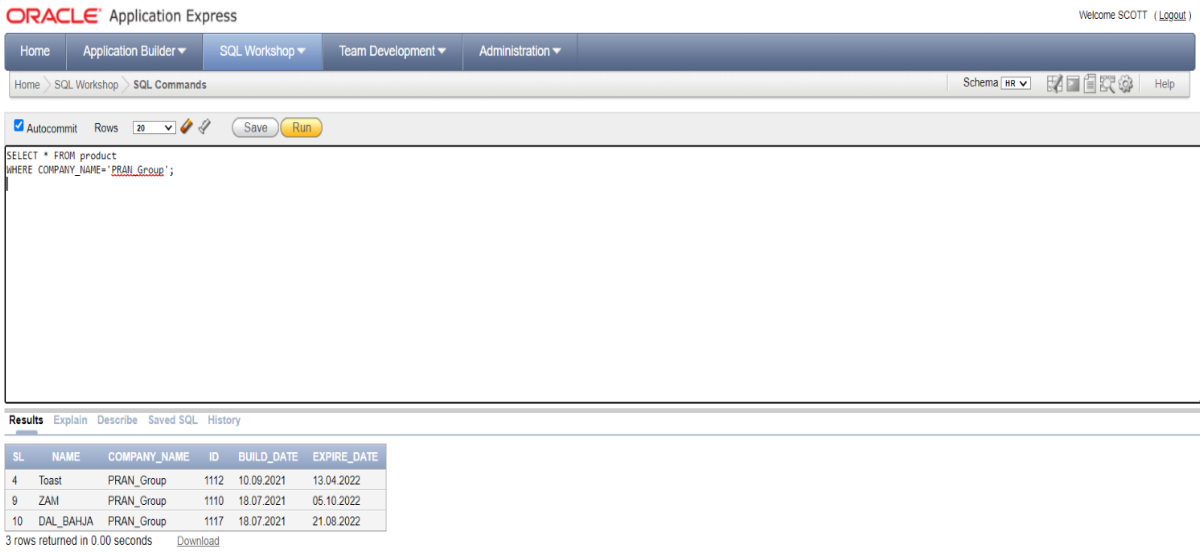
```
SELECT id ,name , address, contact FROM supplier

WHERE address='Banani';
```



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';



Relational Algebra:

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

Answer: $\prod_{product\_name}(\sigma_{product\_id= \text{“216240”}} (orderlist))$

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

Answer: $\prod_{supplier\_name}(\sigma_{supplier\_id= \text{“Bashundhara”}} (supplier))$

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

Answer: $\prod_{customer\_name,customer\_id}(\sigma_{customer\_address= \text{“Bashundhara”}} (customer))$

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

Answer: $\prod_{manager\_name,contact\_number}(\sigma_{manager\_address= \text{“Dhaka”}} (manager))$

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.