



OTLOB

DATABASE PROJECT



GROUP 19

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Contribution

KAREEM ABED	Schema: Order – Order Summary - Employee - Employee Address – Equipment — Coding: Order Customer Payment Employee
Abdulrhman Zakaria	Schema: uses - Finance - department– Coding: Order Employee Restaurant Advertisement
Youssef Adel	Schema: Advertisement – Restaurant – Menu – Coding: Employee Order Restaurant Menu
Mostafa Hossam	Schema: Customer – Customer Address -Coding: Employee Department Equipment Finance
Omar Mohamed	Schema Customer Credit Card – Payment --Coding: Customer Payment Order Restaurant

Scope

Otlob is an Egyptian food ordering app and website. It contains hundreds of restaurants that can be ordered from. Offers the quickest, easiest, most reliable food ordering experience. Shows the user all available restaurants near him and shows best offers and deals.

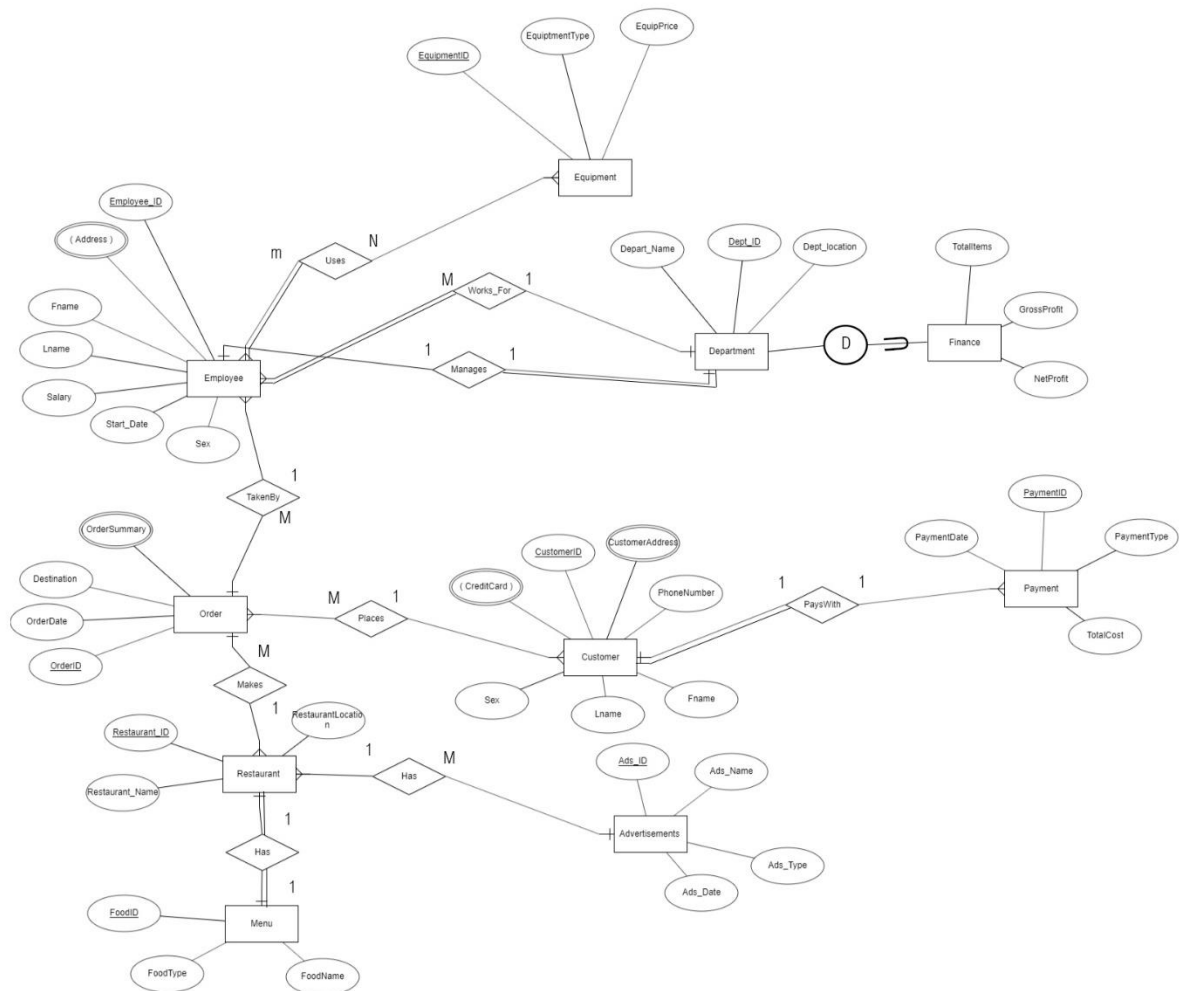
Functionality

The database needs to be created in order to keep track of the employees who are working for the company and to be able to track the orders made by which customer and who was it delivered by. Also to keep updated which restaurants are available and their advertisements.

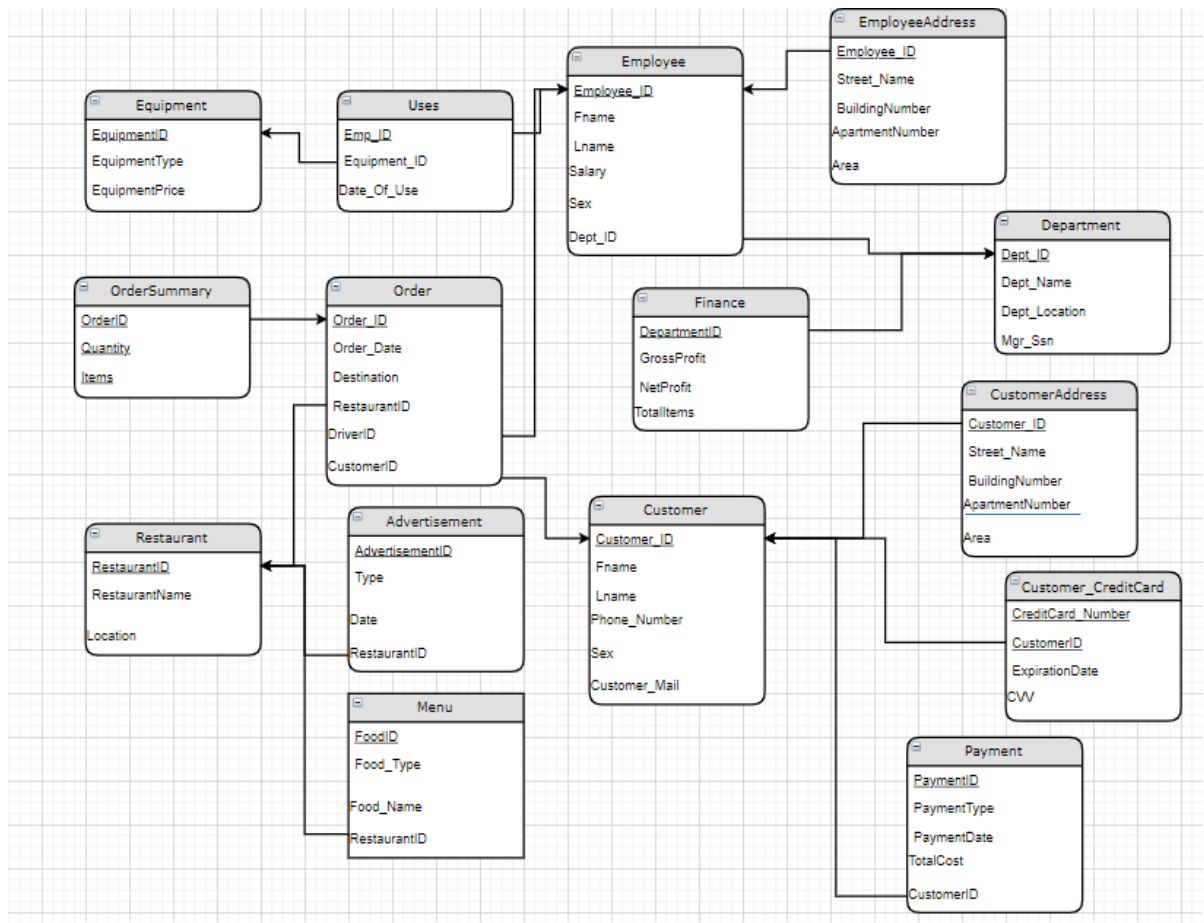
Description

Otlob has employees that must work in one department, and each department has many employees, each department has a manager and each manager can only manage one department. Each employee has access to many equipment such as motorcycles and food boxes, and this equipment can be used by more than one employee. The drivers can take many orders to deliver, but the order can only be delivered by one driver. The customer can place many orders, but the order can only be requested by a single user. The customer can pay for multiple orders at the same time, but the order is paid for by a single customer. The order is cooked by one restaurant, while the restaurant can cook many orders at once. Each restaurant must have a menu and each menu belongs to one restaurant. Each restaurant can have many advertisements, but each advertisement belongs to a single restaurant.

ERD



Schema



CODE

1 – Kareem Abed

```
/*Trigger */
```

```
Create Database Otlob2;
```

```
Create Table Employee(
Employee_ID INT NOT NULL,
Fname VARCHAR(20) NOT NULL,
Lname VARCHAR(20) NOT NULL,
Bdate VARCHAR(10),
Sex CHAR,
Salary INT NOT NULL,
Dno INT NOT NULL,
Constraint EmpPK Primary Key (Employee_ID),
);
Create Table EmployeeAddress(
EmployeeID int NOT NULL,
```

```

Street_Name Varchar(20),
BuildingNumber INT,
ApartmentNumber INT,
Constraint EmpAddressPK Primary Key (EmployeeID , ApartmentNumber),
CONSTRAINT EmpAddressFK FOREIGN KEY (EmployeeID) REFERENCES Employee (Employee_ID),
);
Create Table Customer(
Customer_ID Int Not Null,
Fname          VARCHAR(20)  NOT NULL,
Lname          VARCHAR(20)  NOT NULL,
PhoneNumber Int Not Null,
CustomerEmail VARCHAR(50) Not Null,
Sex            CHAR,
Constraint CustomerPK Primary Key (Customer_ID),
);
Create Table CustomerCreditCard(
CustomerID int NOT NULL,
Credit_Card_Number INT NOT NULL,
Expiration_Date DATE,
CCV INT,
CONSTRAINT CustomerCC_PK PRIMARY KEY (CustomerID, Credit_Card_Number),
CONSTRAINT CustomerCC_FK FOREIGN KEY (CustomerID) REFERENCES Customer (Customer_ID),
);
Create Table CustomerAddress(
CustomerID int NOT NULL,
Street_Name Varchar(20),
BuildingNumber INT,
ApartmentNumber INT,
Constraint Cust_AddressPK Primary Key (CustomerID , ApartmentNumber),
CONSTRAINT Cust_AddressFK FOREIGN KEY (CustomerID) REFERENCES Customer (Customer_ID),
);
Create Table Orders(
OrderId Int Not Null,
OrderDate Date,
OrderDestination Varchar(20) NOT NULL,
EmployeeID INT,
CustomerID INT,
Constraint OrderPK Primary Key (OrderId),
Constraint EmpFK Foreign Key (EmployeeID) References Employee (Employee_ID),
Constraint CustomerFK Foreign Key (CustomerID) References Customer (Customer_ID),
);
Create Table Payment(
PaymentID int NOT NULL,
PaymentType varchar(20) Not Null,
TotalCost int,
PaymentDate Date,
CustomerID int,
Constraint PaymentPK Primary Key (PaymentID),
Constraint CustomerPaymentFK Foreign Key (CustomerID) References Customer
(Customer_ID),
);
Create Table OrderSummary(
OrderID int NOT NULL,
Quantity int,
Items Varchar(30),
Constraint OrderSummaryPK Primary Key (OrderID , Quantity, Items),
Constraint SummaryFK Foreign Key (OrderID) References Orders (OrderId),
);
Alter Table EmployeeAddress
add Area Varchar(20);
Alter Table CustomerAddress
add Area Varchar(20);

```

```

Alter Table CustomerCreditCard DROP CONSTRAINT CustomerCC_PK;
Alter Table CustomerCreditCard Alter Column Credit_Card_Number varchar(30) NOT NULL;
Alter Table CustomerCreditCard Add Constraint CustomerCC_PK PRIMARY KEY (CustomerID,
Credit_Card_Number);

INSERT INTO Employee Values (101, 'Kareem', 'Abed', '26/5/1990', 'M', 50000, 01);
INSERT INTO Employee Values (102, 'Adham', 'Selim', '14/1/1995', 'M', 10000, 01);
INSERT INTO Employee Values (103, 'Ahmed', 'Yasser', '6/11/1994', 'M', 25000, 02);
INSERT INTO Employee Values (104, 'Saif', 'Haitham', '15/9/1998', '', 15000, 01);
INSERT INTO Employee Values (105, 'Youssef', 'Ahmed', '8/4/1991', 'M', 40000, 02);
INSERT INTO Employee Values (106, 'Hussein', 'Khaled', '', 'M', 10000, 01);

INSERT INTO EmployeeAddress Values (101, 'Omar Ibn Al Khattab', 14, 22, 'Rehab' );
INSERT INTO EmployeeAddress Values (101, 'Abbas el Akkad', 98, 31, 'Nasr City' );
INSERT INTO EmployeeAddress Values (102, 'Ibrahim El Orabi', 19, 11, 'Nozha' );
INSERT INTO EmployeeAddress Values (102, 'El Zohour', 180, 21, 'Mohandessin' );
INSERT INTO EmployeeAddress Values (103, 'Ibrahim El Orabi', 19, 11, 'El Nozha' );
INSERT INTO EmployeeAddress Values (104, 'Omar Ibn Al Khattab', 185, 32, 'Almaza' );
INSERT INTO EmployeeAddress Values (105, 'Omar Ibn Al Khattab', 14, 32, 'Rehab' );
INSERT INTO EmployeeAddress Values (106, 'Abbas el Akkad', 190, 21, 'Nasr City' );

INSERT INTO Customer Values (201,
'Mohamed', 'Sherif', 01297887991, 'Mohamed@gmail.com', 'M');
INSERT INTO Customer Values (202,
'Youssef', 'Zayed', 01231556095, 'Youssef@gmail.com', '');
INSERT INTO Customer Values (203, 'Zeyad', 'Ossama', 01182773974, 'Zeyad@yahoo.com', 'M');
INSERT INTO Customer Values (204,
'Adham', 'Megahed', 01251667032, 'Adham@gmail.com', 'M');
INSERT INTO Customer Values (205,
'Kareem', 'Mohamed', 01997887991, 'Kareem@gmail.com', 'M');

INSERT INTO CustomerAddress Values (201, 'Othman Ibn Affan', 91, 32, 'Rehab' );
INSERT INTO CustomerAddress Values (201, 'Ibrahim El Orabi', 150, 31, 'El Nozha' );
INSERT INTO CustomerAddress Values (202, 'Ibrahim El Orabi', 85, 12, 'El Nozha' );
INSERT INTO CustomerAddress Values (202, 'Omar Ibn Al Khattab', 14, 31, 'Rehab' );
INSERT INTO CustomerAddress Values (203, 'Abbas El Akkad', 99, 41, 'Nasr City' );
INSERT INTO CustomerAddress Values (204, 'Omar Ibn Al Khattab', 185, 32, 'Almaza' );
INSERT INTO CustomerAddress Values (205, 'Othman Ibn Affan', 91, 32, 'Rehab' );
INSERT INTO CustomerAddress Values (205, 'Abbas el Akkad', 44, 42, 'Nasr City' );

INSERT INTO CustomerCreditCard Values (201, '4645796860481833', '12/10/2019', 994);
INSERT INTO CustomerCreditCard Values (201, '4447096704314138', '8/7/2023', 288);
INSERT INTO CustomerCreditCard Values (202, '4395333439185703', '1/2/2022', 249);
INSERT INTO CustomerCreditCard Values (203, '4089549995429567', '3/9/2024', 547);
INSERT INTO CustomerCreditCard Values (205, '4418234865335304', '12/12/2019', 980);
INSERT INTO CustomerCreditCard Values (205, '4230030470020950', '1/4/2022', 360);
INSERT INTO CustomerCreditCard Values (205, '4955314796464335', '', 780);

INSERT INTO Orders Values (4366, '2/11/2019', 'Rehab', 101, 201);
INSERT INTO Orders Values (5416, '11/11/2019', 'Nasr City', 101, 203);
INSERT INTO Orders Values (9185, '2/11/2019', 'El Nozha', 102, 202);
INSERT INTO Orders Values (8871, '10/5/2019', 'Rehab', 104, 205);
INSERT INTO Orders Values (1010, '2/11/2019', 'Almaza', 104, 204);

INSERT INTO OrderSummary Values (4366, 5, 'McRoyale');
INSERT INTO OrderSummary Values (4366, 1, 'Milkshake');
INSERT INTO OrderSummary Values (4366, 2, 'Big Tasty');
INSERT INTO OrderSummary Values (5416, 1, 'King Mo Offer');
INSERT INTO OrderSummary Values (9185, 2, 'Chickken Ranch');
INSERT INTO OrderSummary Values (9185, 1, 'Chicken BBQ');
INSERT INTO OrderSummary Values (1010, 1, 'Big Mac');

```

```

INSERT INTO Payment Values (5159 , 'Cash' , 119 , '2/11/2019' ,204);
INSERT INTO Payment Values (6078 , 'Credit Card' , 180 , '2/11/2019' ,201);
INSERT INTO Payment Values (1151 , 'Cash' , 75 , '2/11/2019' ,201);
INSERT INTO Payment Values (5431 , 'Credit Card' , 240 , '10/5/2019' ,205);
INSERT INTO Payment Values (0934 , 'Cash' , 100 , '2/11/2019',202);

```

```

/* Drivers who delivered more than 1 order */
select Fname , Lname, count(EmployeeID) AS 'Number of Deliveries'
from Employee , Orders
Where Employee_ID = EmployeeID
Group By Fname , Lname
Having COUNT(EmployeeID) > 1;

```

110 %

	Fname	Lname	Number of Deliveries
1	Kareem	Abed	2
2	Saif	Haitham	2

```

/*Customers Who Have Credit Cards */
select Fname , Lname , PhoneNumber
from Customer
Where Exists ( select *
from CustomerCreditCard
Where Customer_ID = CustomerID) ;

```

110 %

	Fname	Lname	PhoneNumber
1	Mohamed	Sherif	1297887991
2	Youssef	Zayed	1231556095
3	Zeyad	Ossama	1182773974
4	Kareem	Mohamed	1997887991

```

/*Max Salary of Driver who delivered to Rehab*/
Select MAX(Salary) AS 'Salary'
from Employee
Where Employee_ID IN ( select EmployeeID
from Orders
WHERE Employee_ID = EmployeeID AND OrderDestination = 'Rehab' );

```

110 %

	Salary
1	50000

```

/*Shows customers and their credit card number(s) if available*/

```

```

select Fname , Lname , Customer_ID, Expiration_Date , Credit_Card_Number
from Customer left outer join CustomerCreditCard
ON Customer.Customer_ID = CustomerCreditCard.CustomerID;

```

110 %

	Fname	Lname	Customer_ID	Expiration_Date	Credit_Card_Number
1	Mohamed	Sherif	201	2023-08-07	4447096704314138
2	Mohamed	Sherif	201	2019-12-10	4645796860481833
3	Youssed	Zayed	202	2022-01-02	4395333439185703
4	Zeyad	Ossama	203	2024-03-09	4089549995429567
5	Adham	Megahed	204	NULL	NULL
6	Kareem	Mohamed	205	2022-01-04	4230030470020950
7	Kareem	Mohamed	205	2019-12-12	4418234865335304
8	Kareem	Mohamed	205	1900-01-01	4955314796464335
9	Ahmed	Mohamed	208	NULL	NULL

```

/*Got the order summary of the customer with a yahoo email */
select OrderID , Items , Quantity
from OrderSummary
where OrderID IN ( select OrderId
from Orders
where CustomerID IN (select Customer_ID
from Customer
where CustomerEmail like '%yahoo.com'));

```

	OrderID	Items	Quantity
1	5416	King Mo Offer	1

```

/* Tirgger */
Create Table Auditing(
Customer_ID INT,
FName VARCHAR(20),
LName VARCHAR(20),
PhoneNumber INT,
CustomerEmail varchar(50),
Sex char,
Audit_msg VARCHAR(50),
Audit_date Date
);
GO
CREATE TRIGGER Trig
ON Customer

AFTER INSERT
AS
declare @Customer_ID INT;
declare @Fname VARCHAR(20);
declare @Lname VARCHAR(20);
declare @PhoneNumber INT;
declare @CustomerEmail VARCHAR(50);
declare @Sex Char;
declare @paudit VARCHAR(50);

```



```

select @Customer_ID = i.Customer_ID from inserted i;
select @Fname = i.Fname from inserted i;
select @Lname = i.Lname from inserted i;
select @PhoneNumber = i.PhoneNumber from inserted i;
select @CustomerEmail = i.CustomerEmail from inserted i;
select @Sex = i.Sex from inserted i;
select @paudit = 'Insert trigger executed';
INSERT INTO Auditing
VALUES
(@Customer_ID,@Fname,@Lname,@PhoneNumber,@CustomerEmail,@Sex,@paudit,getdate());
PRINT 'Trigger successfully executed'

INSERT INTO Customer Values (208,
'Ahmed', 'Mohamed', 01187556987, 'AMOHAMED@gmail.com', 'M');

/* VIEW */
Create View CustomerPaid
AS SELECT Fname , Lname , TotalCost , PaymentType
from Customer , Payment
WHERE Customer.Customer_ID = Payment.CustomerID;

select * from CustomerPaid;

```

Mostafa Hossam 190905

Tables: Employee,
Department,
finance,
Equipment,
Uses.

```

create database otlobfinal;

create table Department (
Dname varchar(40) not null,
Department_ID int not null,
Department_location varchar(70) not null,
mgr_ssn int,
constraint Dep_pk primary key (Department_ID),
);

create table Employee (
Fname varchar (20) not null,
Lname varchar(20)not null,
adress varchar(40) not null,
salary int not null,
sex varchar(12) not null,
super_ssn int not null,
startdate varchar (30) ,
Emp_ID int not null,
Dept_ID int not null,
constraint Emp_pk primary key (Emp_ID),
constraint Emp_fk foreign key (super_ssn) References Employee(Emp_ID)
);

alter table Department
ADD CONSTRAINT emp_fk220

```

```

foreign key (mgr_ssn) References Employee (Emp_ID);

create table finance (
Department_ID int not null,
groosprofit int not null,
netprofit int not null,
theyear int not null,
constraint Dep_pkk primary key (Department_ID,theyear),
constraint Dep_pk1 foreign key (Department_ID) References Department( Department_ID)
);
create table Equipment (
Equip_ID int not null,
Equip_type varchar(60) not null ,
Equip_price int not null ,

constraint Equipment_pk primary key (Equip_ID));
create table uses(
Equipment_ID int not null,
Employee_ID int not null,
date int ,
constraint uses_pk primary key (Equipment_ID,Employee_ID),
constraint uses_fk foreign key (Equipment_ID) References Equipment(Equip_ID),
constraint uses1_fk foreign key (Employee_ID) References Employee(Emp_ID)
);
INSERT INTO Department
values ( 'HR', '1', 'nozha', '30');
INSERT INTO Department
values ( 'pr', '2', 'maadie', '40');
INSERT INTO Department
values ( 'security', '3', 'rehab', '50');
INSERT INTO Department
values ( 'Technical', '4', 'down town', '70');

INSERT INTO Department
values('IT', '5', 'alex', '');
INSERT INTO Department
values ( 'IS', '6', 'mansora', '88');

INSERT INTO Department
values ( 'delivery', '80', 'masr elgdida', '');

INSERT INTO Department
values ( 'finance', '10', 'new cairo', '100');


INSERT INTO Employee
values ( 'mostafa', 'hossam', 'heleopls ', '4000', 'm', '1', '20/8/2017', '1', '10');
INSERT INTO Employee
values('omar ', 'osama', 'madenty', '3500', 'm', '1', '20/10/2019', '2', '20');
INSERT INTO Employee
values('mohab', 'osama', 'nasr city', '2000', 'm', '1', '12/9/2017', '3', '30' );
INSERT into Employee
values( 'bassnt', 'hazem', 'giza', '4500', 'f', '2', '13/8/2016', '4', '40');
INSERT INTO Employee
values('norhan', 'gmal', 'al obor', '2500', 'f', '3', '13/8/2016', '18', '10' );

INSERT INTO Employee
values( 'mohamed', 'mostafa', 'nasr city', '2300', 'm', '18', '20/8/2019', '32', '5');

```

```
INSERT INTO Employee
values('ali', 'omar', 'heleopls', '2000', 'm', '18', '12/7/2015', '47', '80');
```

```
INSERT INTO Employee
values ('hassn', 'mohamed', 'zamalek', '3800', 'm', '3', '17/9/2014', '77', '6');
INSERT INTO Employee
values('salma', 'hossam', 'new cairo', '10000', 'f', '1', '8/10/2012', '17', '10');
INSERT INTO Employee
values('mohamed', 'amr', 'sheton', '3000', 'm', '4', '7/4/2013', '66', '80');
INSERT INTO finance
values(10, 2000000, 1000000, 2015);
```

```
INSERT INTO finance
values(10, 2200000, 110000, 2016);
```

```
INSERT INTO finance
values(10, 2400000, 1200000, 2017);
```

```
INSERT INTO finance
values(10, 2500000, 1250000, 2018);
```

```
INSERT INTO finance
values(10, 2800000, 1500000, 2019);
```

```
INSERT INTO Equipment
values(300, 'bike', 2000);
```

```
INSERT INTO Equipment
values(301, 'bike', 2000);
```

```
INSERT INTO Equipment
values(400, 'motocycle', 25000);
```

```
INSERT INTO Equipment
values(412, 'motocycle', 25000);
```

```
INSERT INTO Equipment
values(511, 'box', 500);
```

```
INSERT INTO Equipment
values(600, 'box', 500);
```

```
INSERT INTO Equipment
values(700, 'motocycle', 15000);
```

```
INSERT INTO Equipment
values(650, 'motocycle', 15500);
```

```
INSERT INTO uses
values(412, 66);
```

```
INSERT INTO uses
values(700, 3);
```

```
INSERT INTO uses
values(300, 47);
```

```
INSERT INTO uses
values(301, 66);
```

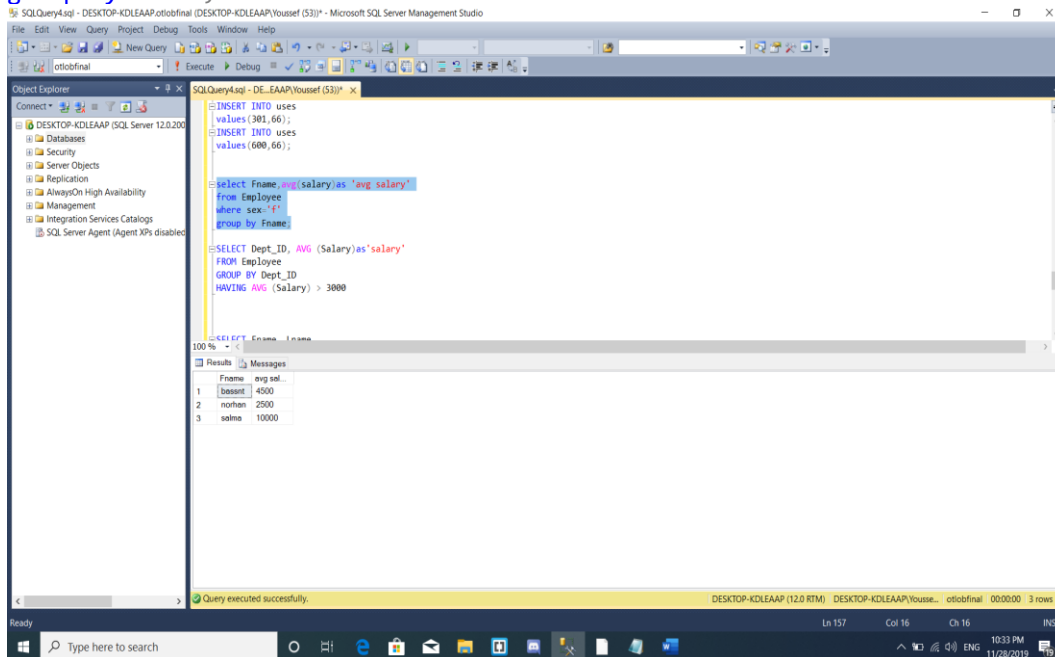
```
INSERT INTO uses
```

```
values(600,66);
```

the query

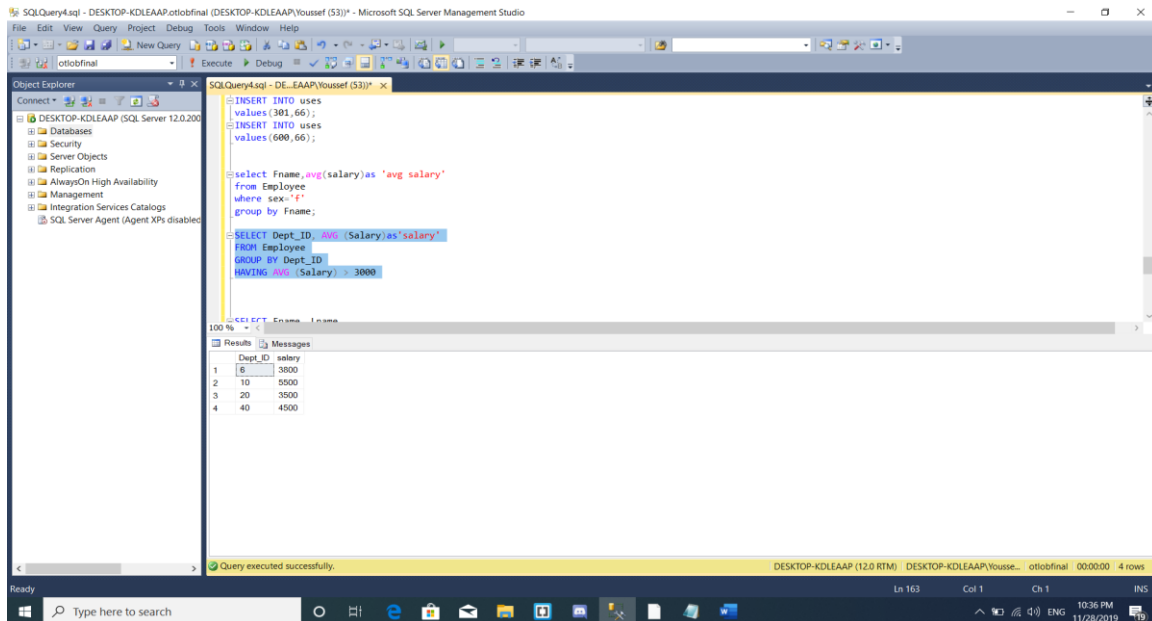
1, Retrieve the average salary of the employees in each department and all the employees are females. Note that they are grouped according to the first name

```
select Fname,avg(salary)as 'avg salary'
from Employee
where sex='f'
group by Fname;
```



2. Retrieve the average salary and number of employees, grouped according to each department, but only retrieve the departments with average salary greater than 3000

```
SELECT Dept_ID, AVG (Salary)as'salary'
FROM Employee
GROUP BY Dept_ID
HAVING AVG (Salary) > 3000
```

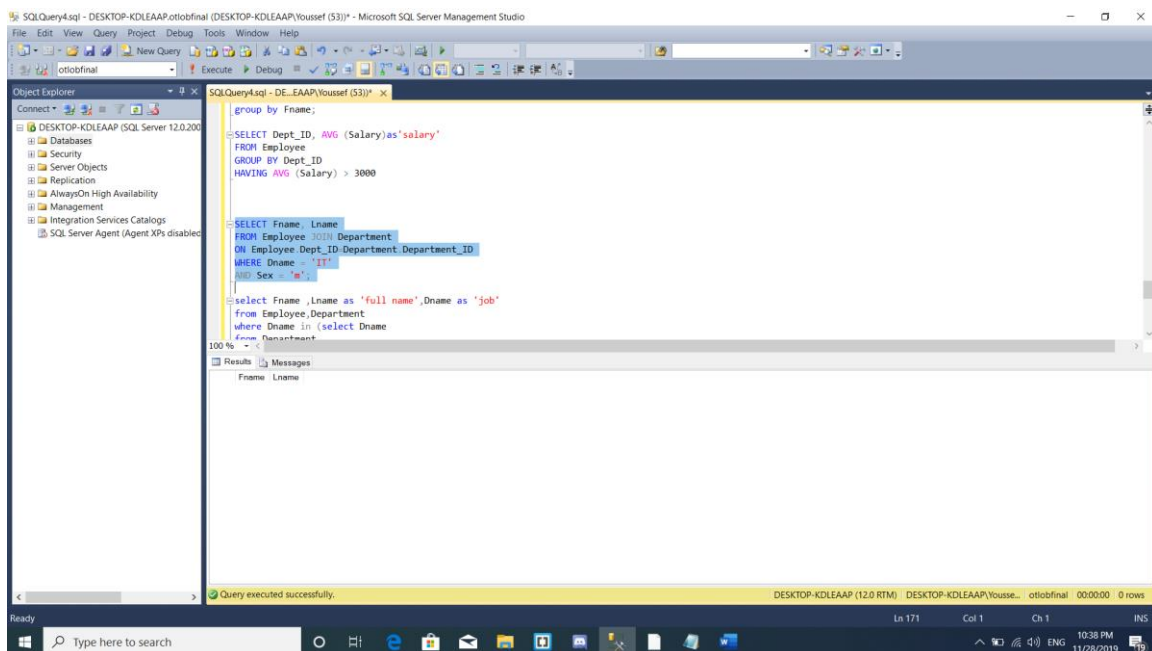


3. Retrieve the first and last names of the employees working in the IT department and are males

```

SELECT FName, Lname
FROM Employee JOIN Department
ON Employee.Dept_ID=Department.Department_ID
WHERE Dname = 'IT'
AND Sex = 'm';

```



4. Retrieve the first and the last name for employee who works as a delivery.

```

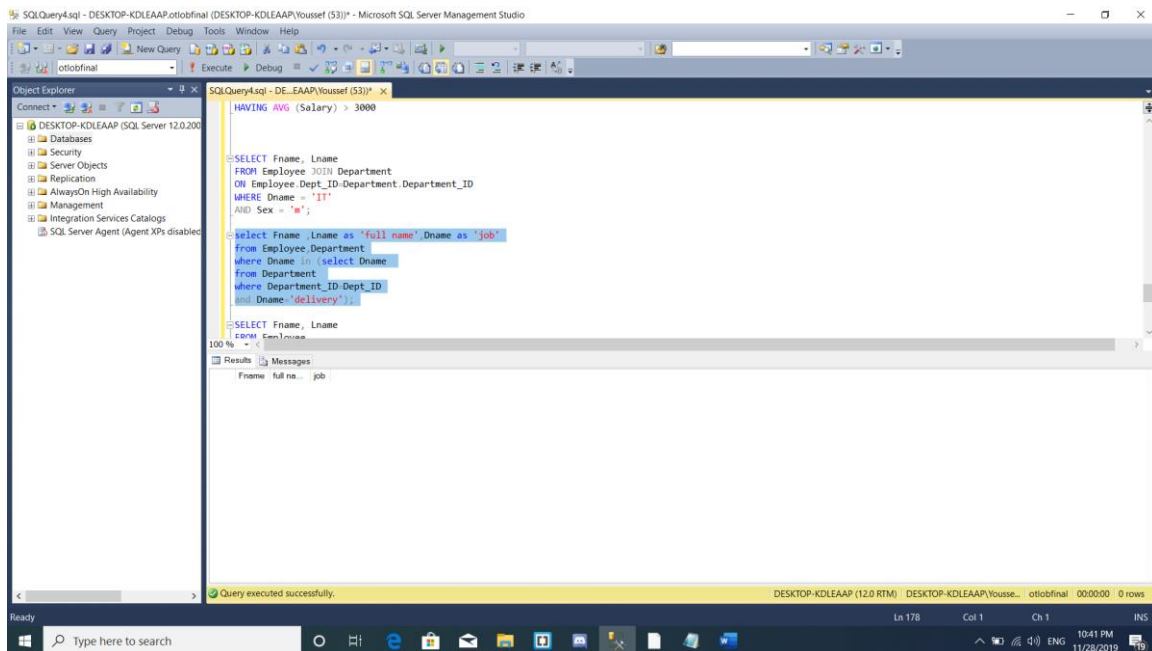
select FName ,Lname as 'full name',Dname as 'job'
from Employee,Department
where Dname in (select Dname

```

```

from Department
where Department_ID=Dept_ID
and Dname='delivery');

```

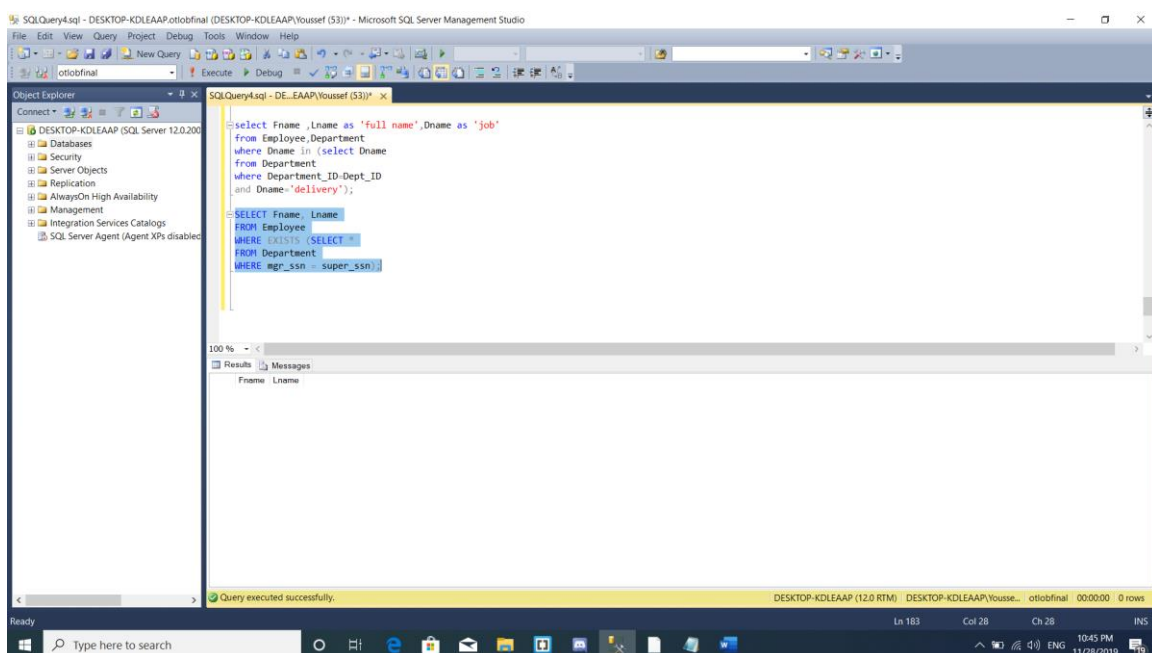


5. Retrieve the first and last names of department managers

```

SELECT Fname, Lname
FROM Employee
WHERE EXISTS (SELECT *
FROM Department
WHERE mgr_ssn = super_ssn);

```



Abdulrhman zakria

SQLQuery3-OTLOBIN...JN4D1\jolie (51))*

```
CREATE DATABASE otlob;

create table resturantt
(
    rest_ID int not null,
    rest_name varchar(20) not null,
    rest_location varchar (30),
    constraint reste_PK
    primary key (rest_ID),
);

create table advertisment
(
    Ads_id int not null,
    Ads_name varchar(20) not null,
    Ads_type varchar(20),
    Ads_date varchar(10),
    rest_ID int not null,
    constraint ads_PK
    primary key (Ads_ID),
    constraint unique_ads
    unique (Ads_name),
    constraint restaurant_fk
    foreign key (rest_ID) references resturantt (rest_ID)
);

create table customer(
    cust_id int not null,
    phone_number int not null,
    cust_email varchar(30) not null,
    constraint cust_Pk
    primary key (cust_id),
    constraint unique_phone
    unique (phone_number)
);

create table cust_address(
    customer_address varchar(30) not null,
    cust_id int not null,
    constraint multiadress_Pk
    primary key (cust_id , customer_address),
    constraint cust_id_fk foreign key (cust_id) references customer (cust_id)
);

create table cust_credit_card(
    credit_card varchar(30) not null,
    cust_id int not null,
    constraint cust_credit_Pky
    primary key (cust_id , credit_card),
    constraint cust_id_fky foreign key (cust_id) references customer (cust_id)
);
```

SQLQuery3-OTLOBIN...JN4D1\jolie (51))* ✖

```
create table ORDERR(  
    order_id int not null,  
    rest_ID int not null,  
    cust_id int not null,  
    destination varchar(20) not null,  
    order_date varchar(10) not null,  
    constraint order_PK  
    primary key (order_id),  
    constraint restaurant_ORDER_FK  
    foreign key ( rest_ID) references restaurantt (rest_ID),  
    constraint cust_order_fk  
    foreign key (cust_id) references customer (cust_id)  
);  
  
create table order_sammary(  
    quanatity int,  
    items varchar(50),  
    orderid int,  
    constraint ordersum_PK  
    primary key (orderid , items),  
    constraint cust_ordersumm_fk  
    foreign key (orderid) references ORDERR (order_id)  
);
```


SQLQuery3-OTLOBIN...JN4D1\jolie (51))*

```
INSERT INTO resturantt
VALUES (1,'mac','5th installments');
INSERT INTO resturantt
VALUES (2,'cockdoor','medint nasr');
INSERT INTO resturantt
VALUES (3,'hadrmoot','alnozha');
INSERT INTO resturantt
VALUES (4,'bick','alf maskan');
INSERT INTO resturantt
VALUES (5,'mac','amar abn yasser');
INSERT INTO resturantt
VALUES (6,'mac','citystars');
INSERT INTO resturantt
VALUES (7,'mac','alex');

INSERT INTO advertisement
VALUES (1,'let it go','motivational', '22/7/2010', 1);
INSERT INTO advertisement
VALUES (2,'just do it ','motivational', '28/3/2012',2);
INSERT INTO advertisement
VALUES (3,'happy meal','food', '30/6/2016', 3);
INSERT INTO advertisement
VALUES (4,'chicken danger','food', '10/3/2017', 4);
INSERT INTO advertisement
VALUES (5,'yum yum ','food', '25/8/2019', 5);
INSERT INTO advertisement
VALUES (6,'zombie land ','gaming', '29/8/2019', 5);
```

```
INSERT INTO customer
VALUES (1, '01017109118', 'ahmedmohmed@gmail.com');
INSERT INTO customer
VALUES (2, '01227109318', 'khaledmohmed@gmail.com');
INSERT INTO customer
VALUES (3, '01018121927', 'omaralaa@yahoo.com');
INSERT INTO customer
VALUES (4, '01012139456', 'zaks2456@hotmail.com');
INSERT INTO customer
VALUES (5, '01012782934', 'lol1234@bue.edu.eg');
INSERT INTO customer
VALUES (6, '01012782334', 'omar245@bue.edu.eg');

insert into cust_address
values ( ' al nozha ', 1)
insert into cust_address
values ( ' sherok company ', 1)
insert into cust_address
values ( ' al marg ', 3)
insert into cust_address
values ( ' al tameer company ', 3)
insert into cust_address
values ( 'masr al gdida', 2)
insert into cust_address
values ( 'alex', 4)
insert into cust_address
values ( 'shraton', 4)
insert into cust_address
values ( 'shraton', 6)
```

SQLQuery3-OTLOBIN...JN4D1\jolie (51)) * X

```
insert into cust_credit_card
values ('1125467980',1)
insert into cust_credit_card
values ('1125467456',1)
insert into cust_credit_card
values ('1123479803',2)
insert into cust_credit_card
values ('1128769803',3)
insert into cust_credit_card
values ('1234564803',4)
insert into cust_credit_card
values ('1998579803',5)
insert into cust_credit_card
values ('1123324503',6)

INSERT INTO ORDERR
VALUES (1,1,1,'masr al gdida', '22/7/2010');
INSERT INTO ORDERR
VALUES (2,2,2,'masr al gdida', '23/7/2010');
INSERT INTO ORDERR
VALUES (7,7,2,'masr al gdida', '23/7/2010');
INSERT INTO ORDERR
VALUES (3,3,3,'rehab', '22/9/2019');
INSERT INTO ORDERR
VALUES (4,4,4,'alex', '1/1/2015');
INSERT INTO ORDERR
VALUES (5,5,5,'shraton', '27/1/2012');
INSERT INTO ORDERR
VALUES (6,6,6,'shraton', '27/12/2019');
```

SQLQuery3-OTLOBIN...JN4D1\jolie (51)) * X

```
INSERT INTO order_sammary
VALUES ( 2 , 'BIG TASTY' , 1)
INSERT INTO order_sammary
VALUES ( 1 , 'CHICKEN MAGDO' , 2)
INSERT INTO order_sammary
VALUES ( 3 , 'BIG TASTY' , 3)
INSERT INTO order_sammary
VALUES ( 4 , 'ice cream' , 4)
INSERT INTO order_sammary
VALUES ( 5 , 'small meal' , 5)
INSERT INTO order_sammary
VALUES ( 6 , 'happy meal' , 6)
```

```

INSERT INTO order_sammary
VALUES ( 4, 'ice cream' , 4)
INSERT INTO order_sammary
VALUES ( 5, 'small meal' , 5)
INSERT INTO order_sammary
VALUES ( 6, 'happy meal' , 6)

SELECT rest_name , rest_location
FROM resturantt
WHERE rest_name='mac';

SELECT *
FROM advertisement
WHERE Ads_type= 'motivational' OR Ads_type= 'gaming';

```

100 %

Results Messages

	rest_name	rest_location
1	mac	5th installments
2	mac	amar abn yasser
3	mac	citystars
4	mac	alex

```

SELECT *
FROM advertisement
WHERE Ads_type= 'motivational' OR Ads_type= 'gaming';

SELECT e.customer_address
FROM cust_address e

```

0 %

Results Messages

Ads_iD	Ads_name	Ads_type	Ads_date	rest_ID
1	let it go	motivational	22/7/2010	1
2	just do it	motivational	28/3/2012	2
6	zombie land	gaming	29/8/2019	5

SQLQuery3-OTLOBIN...JN4D1\jolie (51) X

```
WHERE rest_name='mac';  
  
SELECT *  
FROM advertisement  
WHERE Ads_type= 'motivational' OR Ads_type= 'gaming';  
  
SELECT e.customer_address  
FROM cust_address e  
WHERE e.customer_address in (SELECT destination  
FROM ORDERR  
WHERE e.customer_address =  
ORDERR.destination  
AND (e.cust_id = cust_id));
```

100 %

Results Messages

	customer_address
1	masr al gdida
2	alex
3	shraton

SQLQuery3-OTLOBIN...JN4D1\jolie (51) X

```
WHERE e.customer_address =  
ORDERR.destination  
AND (e.cust_id = cust_id));  
  
SELECT items , quanatity  
FROM order_sammary  
LEFT JOIN customer  
ON customer.cust_id = order_sammary.orderid;  
  
SELECT COUNT(customer_address) as ' people live in shraton'  
FROM cust_address  
WHERE customer_address = 'shraton';  
  
SELECT rest_name
```

100 %

Results Messages

	items	quanatity
1	BIG TASTY	2
2	CHICKEN MAGDO	1
3	BIG TASTY	3
4	ice cream	4
5	small meal	5
6	happy meal	6

```
SELECT COUNT(customer_address) as ' people live in shraton'
FROM cust_address
WHERE customer_address = 'shraton';

SELECT rest_name
```

00 %

Results Messages

	people live in shraton
1	2

```
SELECT rest_name
FROM resturantt
WHERE EXISTS
(SELECT order_date FROM ORDERR WHERE resturantt.rest_ID = ORDERR.rest_ID and order_id < 3);

create table trig_audit(
  cust_id int not null,
  phone_number int,
  cust_email varchar(30),
```

100 %

Results Messages

	rest_name
1	mac
2	cockdoor

```

create table trig_audit(
    cust_id int not null,
    phone_number int,
    cust_email varchar(30),
    paudit varchar(50),
    Temp date,
)
GO
CREATE TRIGGER Trig
ON customer
FOR INSERT
AS
declare @cust_id INT;
declare @phone_number int;
declare @cust_email varchar(30);
declare @paudit varchar(50);
select @cust_id = i.cust_id from inserted i;
select @phone_number = i.phone_number from inserted i;
select @cust_email = i.cust_email from inserted i;
select @paudit = 'Insert trigger executed';
INSERT INTO trig_audit
VALUES (@cust_id,@phone_number,@cust_email,@cust_id,getdate());
PRINT 'Trigger successfully executed'
INSERT INTO customer
VALUES (7, '01223782334', 'jana@bue.edu.eg');

```

```
create table trig_audit(  
    cust_id int not null,  
    phone_number int,  
    cust_email varchar(30),  
    paudit varchar(50),  
    Temp date,  
)  
  
GO  
  
CREATE TRIGGER Trig  
ON customer  
FOR INSERT  
AS  
declare @cust_id INT;  
declare @phone_number int;  
declare @cust_email varchar(30);  
declare @paudit varchar(50);  
select @cust_id = i.cust_id from inserted i;  
select @phone_number = i.phone_number from inserted i;  
select @cust_email = i.cust_email from inserted i;  
select @paudit = 'Insert trigger executed';  
INSERT INTO trig_audit  
VALUES (@cust_id,@phone_number,@cust_email,@cust_id,getdate());  
PRINT 'Trigger successfully executed'  
  
INSERT INTO customer  
VALUES (7, '01223782334', 'jana@bue.edu.eg');
```



```
SQLQuery3-OTLOBIN...JN4D1\jolie (51))  X
VALUES (@cust_id,@phone_number,@cust_email,@cust_id,getdate());
PRINT 'Trigger successfully executed'

INSERT INTO customer
VALUES (7,'01223782334', 'jana@bue.edu.eg');

select *
from trig_audit
```

100 %

Results Messages

	cust_id	phone_number	cust_email	paudit	Temp
1	7	1223782334	jana@bue.edu.eg	7	2019-11-28

1st query retrieve the restaurant that is named by mac

2nd query retrieve the advertisement their type are gaming and motivational

3rd query return the address at 2 table where 2 address are the same

4th query left table is join with right table as customer id =order id

5th query count people live in shraton

6th query get the restaurant name where order id is less than 3

7th query is trigger query at customer table get the date of inserted data

YousefAdel188743

Tables:Employee

Order

Restaurant

menu.

```
create database otlob2 ;

CREATE TABLE TRIG_audit(
food_ID int not null ,
food_type varchar (40),
food_name varchar (40),
paudit varchar (50),
CREATION date,
)

GO
CREATE TRIGGER TRIG
ON MENUU
FOR INSERT
AS
declare @food_ID int ;
declare @food_type varchar (40);
declare @food_name varchar (40);
declare @paudit varchar(50);
select @food_ID=i.food_ID from inserted i;
select @food_type=i.food_type from inserted i;
select @food_name=i.food_name from inserted i;
select @paudit ='insert trigger executed';
insert into TRIG_audit
values (@food_ID,@food_type,@food_name ,GETDATE());
print 'trigger successfully executed';

insert into MENUU
values(118, 'fast food', 'Elbake');

create table EMPLOYEEE (
Fname varchar (30) not null,
Lname varchar (30) not null,
startDate varchar (30),
salary int ,
emp_ID int not null ,
emp_add varchar (50),
emp_sex varchar (10) not null,
constraint emp_pkk primary key (emp_ID),
);

insert into EMPLOYEEE(Fname,Lname,startDate,salary,emp_ID,emp_add,emp_sex)
values ('Yousef', 'Adel', '2019', 10000, 123, 'benha', 'male');

insert into EMPLOYEEE(Fname,Lname,startDate,salary,emp_ID,emp_add,emp_sex)
values ('Mostafa', 'Hossam', '2019', 10000, 124, 'Cairo', 'male');

insert into EMPLOYEEE(Fname,Lname,startDate,salary,emp_ID,emp_add,emp_sex)
values ('Omar', 'Mohmed', '2019', 12000, 125, 'cairo', 'male');

insert into EMPLOYEEE(Fname,Lname,startDate,salary,emp_ID,emp_add,emp_sex)
values ('Kareem', 'Abed', '2019', 13000, 126, 'Mansoura', 'male');

insert into EMPLOYEEE(Fname,Lname,startDate,salary,emp_ID,emp_add,emp_sex)
values ('AbduIrahman', 'Zakaria', '2019', 14000, 127, 'Cairo', 'male');

insert into EMPLOYEEE(Fname,Lname,startDate,salary,emp_ID,emp_add,emp_sex)
```

```

values ('Shehab','Hesham','2019',10000,128,'Cairo','male');

insert into EMPLOYEEE(Fname,Lname,startDate,salary,emp_ID,emp_add,emp_sex)
values ('Marawan','Hassan','2019',10000,129,'Cairo','male');

UPDATE EMPLOYEEE SET salary =11000 WHERE emp_ID =123;
UPDATE EMPLOYEEE SET salary =18000 WHERE emp_ID=126;

create table EmployeeAddress(
Employee_ID int not null ,
Street_name varchar (30),
Building_number int ,
Apartment_number int ,
Area varchar (40),
constraint Emp_Add_pkk primary key (Employee_ID,Building_number,Apartment_number),
constraint Emp_Add_fkk foreign key (Employee_ID) references EMPLOYEEE (emp_ID)
on update cascade
);

insert into EmployeeAddress
(Employee_ID,Street_name,Building_number,Apartment_number,Area)
values (123,'Omar Ibn elkhatab st',15,2,null)

insert into EmployeeAddress
(Employee_ID,Street_name,Building_number,Apartment_number,Area)
values (124,'Omar Ibn elkhatab st',15,3,null)

insert into EmployeeAddress
(Employee_ID,Street_name,Building_number,Apartment_number,Area)
values (125,'Omar Ibn elkhatab st',15,4,null)

insert into EmployeeAddress
(Employee_ID,Street_name,Building_number,Apartment_number,Area)
values (126,'naser st',16,5,null)

insert into EmployeeAddress
(Employee_ID,Street_name,Building_number,Apartment_number,Area)
values (127,'ahmed st',17,6,null)

insert into EmployeeAddress
(Employee_ID,Street_name,Building_number,Apartment_number,Area)
values (128,'mohmed st',18,7,null)

insert into EmployeeAddress
(Employee_ID,Street_name,Building_number,Apartment_number,Area)
values (129,'ibrahem st',19,8,null)

create table RESTAURANTT(
restaurant_id int not null,
restaurant_name varchar (40) not null ,
restaurant_loc varchar (50) not null ,
constraint rest_pkk primary key (restaurant_id),
);

insert into RESTAURANTT(restaurant_id,restaurant_name,restaurant_loc)
values (100,'McDonald's','Heliopolis');

insert into RESTAURANTT(restaurant_id,restaurant_name,restaurant_loc)
values (101,'Hadramout','Helwan');

insert into RESTAURANTT (restaurant_id,restaurant_name,restaurant_loc)

```

```

values (102, ' Cheese House', 'Masr El Gedida');

insert into RESTAURANTT(restaurant_id,restaurant_name,restaurant_loc)
values (103, ' Ramadan Grill', 'Nasr city');

insert into RESTAURANTT (restaurant_id,restaurant_name,restaurant_loc)
values (104, 'Happy Cake', 'Zamalek');

insert into RESTAURANTT (restaurant_id,restaurant_name,restaurant_loc)
values (105, 'Shader El Samak', 'Sheraton');

insert into RESTAURANTT (restaurant_id,restaurant_name,restaurant_loc)
values (106, 'Sushi House', 'Zamalek');


create table "ORDERR"(
Destanation varchar (50) not null,
order_date varchar (40) not null,
order_ID int not null,
rest_id int ,
driver_id int,
constraint order_pkk primary key (order_ID),
constraint emp_order_fkk foreign key (driver_id) references EMPLOYEE(emp_ID)
on update cascade,
constraint rest_order_fkk foreign key (rest_id) references RESTAURANTT(restaurant_id)
on update cascade,
);

insert into "ORDERR"(Destanation,order_date,order_ID,rest_id,driver_id)
values (' Sheraton', '10/12/2019', 111,100,123);

insert into "ORDERR"(Destanation,order_date,order_ID,rest_id,driver_id)
values (' Sheraton', '10/5/2019', 112,101,124);

insert into "ORDERR"(Destanation,order_date,order_ID,rest_id,driver_id)
values ('Zamalek', '13/10/2019', 113,102,125);

insert into "ORDERR"(Destanation,order_date,order_ID,rest_id,driver_id)
values ('Masr El Gedida', '11/1/2019', 114,103,126);

insert into "ORDERR"(Destanation,order_date,order_ID,rest_id,driver_id)
values ('Nasr city', '10/2/2019', 115,104,127);

insert into "ORDERR"(Destanation,order_date,order_ID,rest_id,driver_id)
values ('Heliopolis', '1/12/2019', 116,105,128);

insert into "ORDERR"(Destanation,order_date,order_ID,rest_id,driver_id)
values ('Helwan', '11/12/2019', 117,106,129);


create table MENUU(
food_ID int not null ,
food_type varchar (40),
food_name varchar (40),
RESTO_id int ,
constraint menu_pkk primary key (food_ID),
constraint rest_menu_fkk foreign key (RESTO_id) references RESTAURANTT(restaurant_id)
on update cascade,
);

insert into MENUU(food_ID,food_name,food_type,RESTO_id)
values (10, 'Big Mac', 'Fast Food', 101);

```

```

insert into MENUU(food_ID,food_name,food_type,RESTO_id)
values (20,null,'lunch',102);

insert into MENUU(food_ID,food_name,food_type,RESTO_id)
values (30,null,'Fast Food',103);

insert into MENUU(food_ID,food_name,food_type,RESTO_id)
values (40,null,'Diner',104);

insert into MENUU(food_ID,food_name,food_type,RESTO_id)
values (50,null,'lunch',105);

insert into MENUU(food_ID,food_name,food_type,RESTO_id)
values (60,null,'Fast Food',106);

insert into MENUU(food_ID,food_name,food_type,RESTO_id)
values (70,null,'Fast Food',107);

create table order_summary (
order_id int not null,
Quantity int not null,
items varchar(100) not null,
constraint order_sum_pk primary key (order_id ,Quantity,items) ,
constraint Summary_order_fk foreign key (order_id) references "ORDERR" (order_ID)
on update cascade,
);
insert into order_summary (order_id,Quantity,items)
values (111,2,'Hadramout')

insert into order_summary (order_id,Quantity,items)
values (112,5,'Cheese House')

insert into order_summary (order_id,Quantity,items)
values (113,4,'Shader El Samak')

insert into order_summary (order_id,Quantity,items)
values (114,7,'Happy Cake')

insert into order_summary (order_id,Quantity,items)
values (115,1,'Ramadan Grill')

insert into order_summary (order_id,Quantity,items)
values (116,8,'McDonald's')

insert into order_summary (order_id,Quantity,items)
values (117,11,'Sushi House')

SELECT COUNT (*)
FROM EMPLOYEEE
WHERE Lname LIKE 'H%'

SELECT restaurant_name ,restaurant_loc
FROM RESTAURANTT left outer join MENUU on restaurant_id= RESTO_id
WHERE food_type='FAST FOOD'

SELECT Fname ,Lname
FROM EMPLOYEEE
WHERE salary< ALL (SELECT salary
FROM EMPLOYEEE
WHERE salary>10000);

```

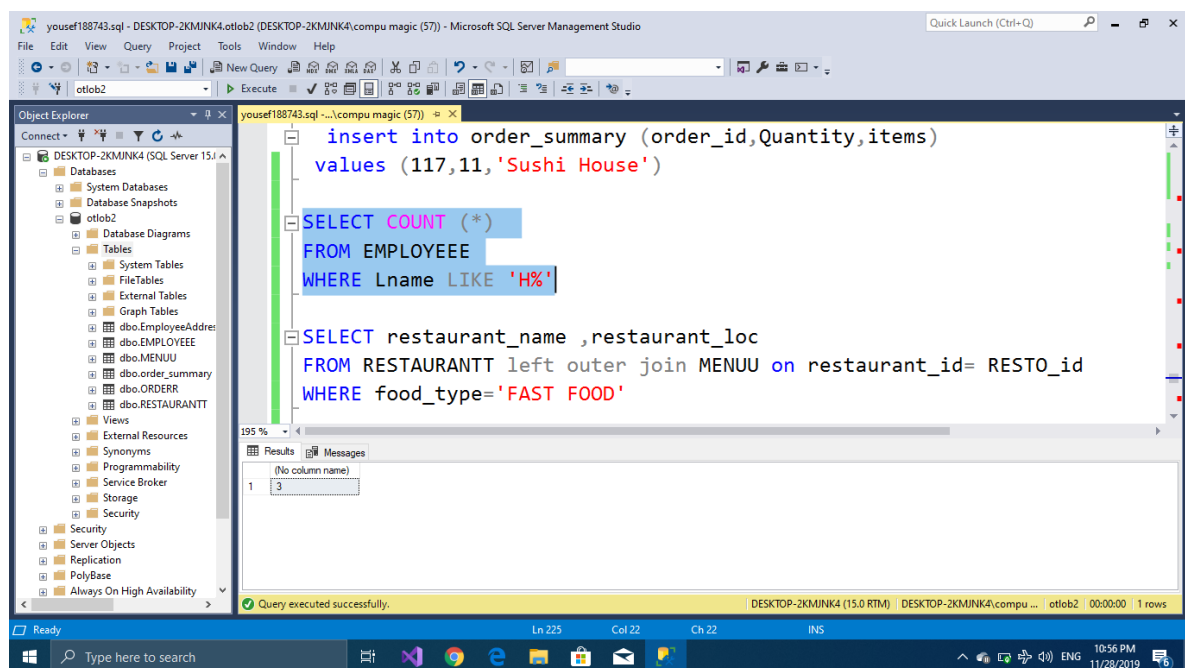
```
SELECT DISTINCT (restaurant_name),Destanation
FROM ORDERR,RESTAURANTT
WHERE order_ID=111;
```

```
select *
from TRIG_audit
```

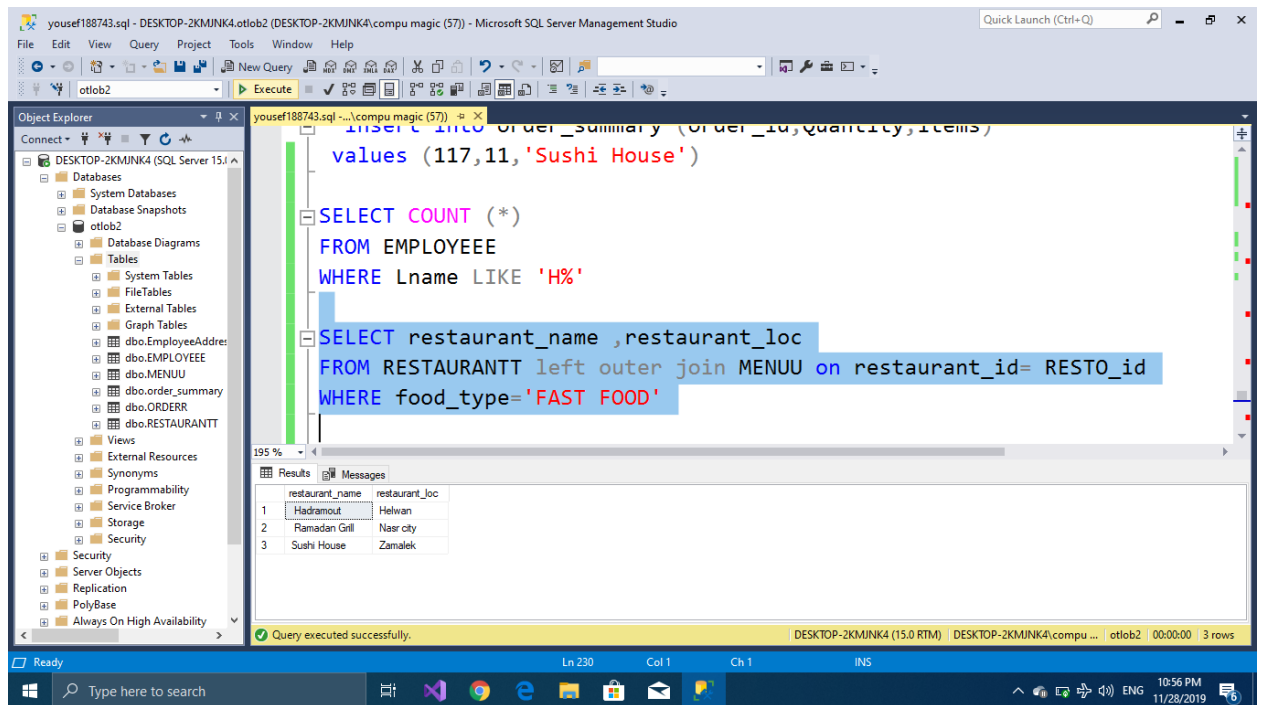
The query

1. Retrieve all the Employees which Last name starts with 'H'

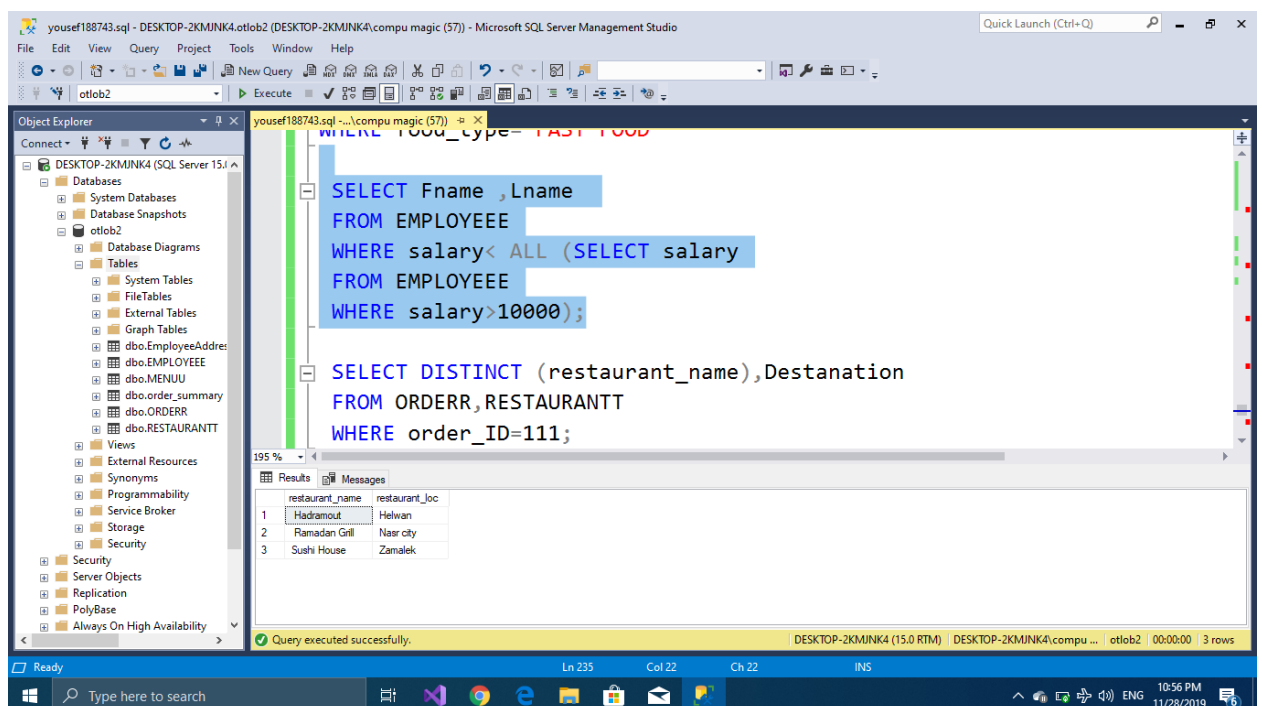
Letter



2. Retrive the restaurant name and location by make left outer join between menu and restaurant and give a condition which is the food type



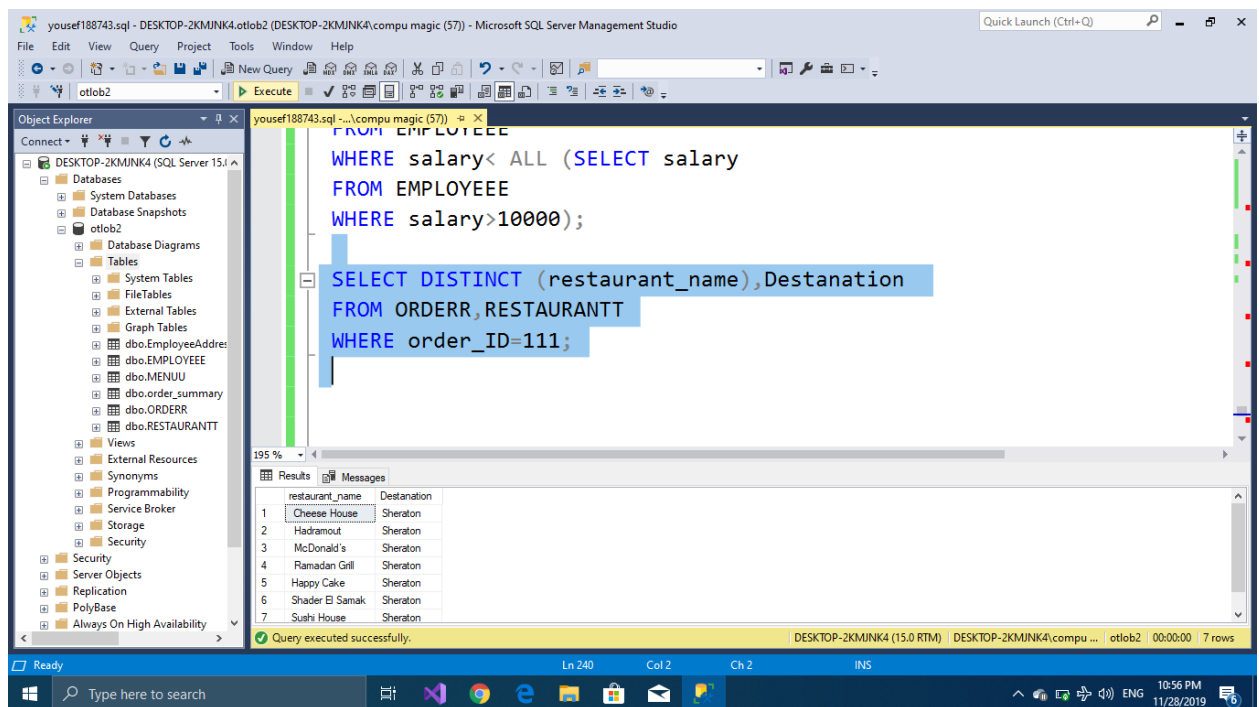
3. Retrieve the first name and the last name for the employee who's salary more than 10000



4.

5. Retrieve the restaurant name and the order destination from the tables restaurant and order by giving condition

the order id



Omar Mohamed

```
CREATE DATABASE OlobFinalPhase190008;
```

```
CREATE TABLE Customer(
Fname VARCHAR(20) NOT NULL,
Lname VARCHAR(20),
Sex CHAR,
Customer_Id INT NOT NULL,
Phone_Number INT NOT NULL,
Customer_Mail VARCHAR(40) NOT NULL,
```

```
CONSTRAINT cust_pk PRIMARY KEY(Customer_Id)
);
```

```
CREATE TABLE Restaurant(
Rest_Name VARCHAR(20) NOT NULL,
Restaurant_Id INT NOT NULL,
Rest_Location VARCHAR(20),
```

```
CONSTRAINT rest_pk PRIMARY KEY(Restaurant_Id)
);
```

```
CREATE TABLE Orders(
Order_Id INT NOT NULL,
Order_Date Date,
Destination VARCHAR(20),
```


Rest_Id INT NOT NULL,
Cust_Id INT NOT NULL,
Driver_Id INT,

CONSTRAINT order_pk PRIMARY KEY(Order_Id),

CONSTRAINT cust_order
FOREIGN KEY(Cust_Id) REFERENCES Customer(Customer_Id)
ON UPDATE CASCADE,

CONSTRAINT rest_order
FOREIGN KEY(Rest_Id) REFERENCES Restaurant(Restaurant_Id)
ON UPDATE CASCADE,
);

CREATE TABLE Payment(
Payment_Id INT NOT NULL,
Payment_Date DATE,
Payment_Type VARCHAR(20),
Total_Cost INT,
Custp_Id INT NOT NULL,

CONSTRAINT p_pk PRIMARY KEY(Payment_Id),

CONSTRAINT cust_p
FOREIGN KEY(Custp_Id) REFERENCES Customer(Customer_Id)
ON UPDATE CASCADE
);

CREATE TABLE Customer_CreditCard(
CreditCard_Number INT NOT NULL,
CustId INT NOT NULL,
Exp_Date DATE NOT NULL,
CVV INT NOT NULL,

CONSTRAINT credit_pk PRIMARY KEY(CreditCard_Number,CustID),

CONSTRAINT credit_cust
FOREIGN KEY(CustId) REFERENCES Customer(Customer_Id)
ON UPDATE CASCADE
);

CREATE TABLE OrderSummary(
OrderId INT NOT NULL,
Quantity INT NOT NULL,
Items VARCHAR(15),
RestID INT NOT NULL,
CONSTRAINT sum_pk PRIMARY KEY(OrderId,Quantity,Items),

CONSTRAINT sum_order

```
FOREIGN KEY(OrderId) REFERENCES Orders(Order_Id)
ON UPDATE CASCADE
);
```

```
CREATE TABLE CustomerAddress(
CustomersId INT NOT NULL,
ApartmentNo INT NOT NULL,
BuldingNo INT NOT NULL,
StreetName VARCHAR(20) NOT NULL,
Area VARCHAR(20),
CONSTRAINT address_pk PRIMARY
KEY(CustomersId,ApartmentNo,BuldingNo,StreetName),
CONSTRAINT address_fk FOREIGN KEY(CustomersId) REFERENCES
Customer(Customer_Id)
ON UPDATE CASCADE
);
```

```
ALTER TABLE Orders
ALTER COLUMN Order_Date VARCHAR(10);
```

```
ALTER TABLE Payment
ALTER COLUMN Payment_Date VARCHAR(10);
```

```
ALTER TABLE Customer_CreditCard
ALTER COLUMN Exp_Date VARCHAR(10);
```

```
ALTER TABLE OrderSummary
DROP COLUMN RestID;
```

```
INSERT INTO
Customer(Fname,Lname,Sex,Customer_Id,Phone_Number,Customer_Mail)
VALUES('Ahmed','Abas','M','1','0154535','ahmed@gmail.com');
INSERT INTO Customer
VALUES('Mona','hesham','F','2','01232535','mona@bue.edu.eg');
INSERT INTO Customer
VALUES('Israa','osama','F','3','01848929','israa@gmail.com');
INSERT INTO Customer
VALUES('Noor','Bassem',NULL,'4','019000304','noor@yahoo.com');
INSERT INTO Customer
VALUES('Mohamed',NULL,'M','5','01003947522','moh@bue.edu.eg');
INSERT INTO Customer
VALUES('Abdulrahman','yousef','M','6','0199998324','abdo@yahoo.com');
INSERT INTO Customer
VALUES('Sara',' ','F','7','0920348294','sara@bue.edu.eg');
```

```
UPDATE Customer
SET Lname='Ahmed'
WHERE Customer_Id=7;
```

```
INSERT INTO Restaurant(Rest_Name,Restaurant_Id,Rest_Location)
```

```

VALUES('Buffalo','01','New Cairo');
INSERT INTO Restaurant
VALUES('Pizza Hut','02','ALRehab');
INSERT INTO Restaurant
VALUES('City Crepe','03','Al maadi');
INSERT INTO Restaurant
VALUES('Cinnabon','04',NULL);
INSERT INTO Restaurant
VALUES('KFC','05','Nasr City');
INSERT INTO Restaurant
VALUES('MAC','06','Nasr City');
INSERT INTO Restaurant
VALUES('Heart attack','07','Madinaty');

```

```

INSERT INTO Orders(Order_Id,Order_Date,Destination,Rest_Id,Cust_Id,Driver_Id)
VALUES('101','14/2/2019','AlRehab','05','7',NULL);
INSERT INTO Orders
VALUES('102','25/10/2019','New Cairo','02','2',NULL);
INSERT INTO Orders
VALUES('103','6/3/2018','Nasr City','06','7','92');
INSERT INTO Orders
VALUES('104','22/9/2018','Nasr City','07','6','92');
INSERT INTO Orders
VALUES('105','22/6/2019','Nasr city','04','7','93');
INSERT INTO Orders
VALUES('106','30/11/2017','Al maadi','03','1','94');
INSERT INTO Orders
VALUES('107','9/1/2017','Nasr City','05','4','92');

```

```

UPDATE Orders
SET Cust_Id=7
WHERE Order_Id=101;

```

```

UPDATE Orders
SET Cust_Id=2
WHERE Order_Id=102;

```

```

UPDATE Orders
SET Destination='Madinaty'
WHERE Order_Id=102;

```

```

UPDATE Orders
SET Destination='Ramsis'
WHERE Order_Id=107;

```

```

INSERT INTO
Payment(Payment_Id,Payment_Date,Payment_Type,Total_Cost,Custp_Id)
VALUES ('1001','10/10/2019','Credit Card','150','7');
INSERT INTO Payment

```

```

VALUES ('1002','7/6/2019','Credit Card','180','5');
INSERT INTO Payment
VALUES ('1003','27/3/2019','Cash','90','3');
INSERT INTO Payment
VALUES ('1004','25/4/2018',NULL,'80','6');
INSERT INTO Payment
VALUES ('1005','24/3/2018','Cash','130','7');
INSERT INTO Payment
VALUES ('1006','7/7/2017','Credit Card','75','1');
INSERT INTO Payment
VALUES ('1007','15/12/2017','Cash',' ','4');

```

```

INSERT INTO Customer_CreditCard(CreditCard_Number,CustId,Exp_Date,CVV)
VALUES ('3505120','5','10/10/2021','324');
INSERT INTO Customer_CreditCard
VALUES ('3505004','7','15/8/2020','569');
INSERT INTO Customer_CreditCard
VALUES ('35505778','7','17/9/2021','409');
INSERT INTO Customer_CreditCard
VALUES ('35055055','1','5/2/2020','322');
INSERT INTO Customer_CreditCard
VALUES ('3501239','6','22/7/2022','179');
INSERT INTO Customer_CreditCard
VALUES ('35550382','6','17/6/2020','891');
INSERT INTO Customer_CreditCard
VALUES ('34440911','1','9/1/2021','423');

```

```

INSERT INTO OrderSummary(OrderId,Quantity,Items)
VALUES ('103','5','Big Mac')
INSERT INTO OrderSummary
VALUES ('106','3','Crepe');
INSERT INTO OrderSummary
VALUES ('107','2','Rizo');
INSERT INTO OrderSummary
VALUES ('104','4','Burgers');
INSERT INTO OrderSummary
VALUES ('101','4','Twister');
INSERT INTO OrderSummary
VALUES ('105','2','Cinnabon');
INSERT INTO OrderSummary
VALUES ('102','1','Pizza');

```

```

UPDATE OrderSummary
SET Items='Burgers'
WHERE OrderId=103;

```

```

INSERT INTO
CustomerAddress(CustomersId,ApartmentNo,BuldingNo,StreetName,Area)
VALUES('1','03','25','9 St','Al maadi');
INSERT INTO CustomerAddress

```

```

VALUES('2','10','26','ElWaha St','Madinaty');
INSERT INTO CustomerAddress
VALUES('7','04','27','Elkhattab St','AlRehab');
INSERT INTO CustomerAddress
VALUES('4','08','28','Ramsis St',NULL);
INSERT INTO CustomerAddress
VALUES('5','07','29','Abass St','Nasr City');
INSERT INTO CustomerAddress
VALUES('6','09','30','Makram St','Nasr City');
INSERT INTO CustomerAddress
VALUES('7','04','25','Makram St','Nasr City');

```

```

SELECT DISTINCT Fname as 'First Name'
FROM Customer, CustomerAddress, Restaurant, Orders
WHERE Customer_Id IN (SELECT CustomersId
FROM CustomerAddress
WHERE Area='Nasr City')
AND Restaurant_Id IN (SELECT Rest_Id
FROM Orders, Restaurant
WHERE Destination='Nasr City')
AND Restaurant_Id IN (SELECT Rest_Id
FROM Restaurant, Orders
WHERE Rest_Location='Nasr City')

```

```

SELECT Lname as 'Last name', Payment_Type As 'Payment Type'
FROM Customer RIGHT OUTER JOIN Payment
ON Customer_Id=Custp_Id
WHERE Sex!='F' AND
Payment_Type!='Cash';

```

```

SELECT DISTINCT Order_Date as 'Date of order', Order_Id
FROM Orders
WHERE Order_Id IN ( SELECT OrderId
FROM OrderSummary
WHERE Items='Burgers')

```

```

SELECT COUNT(*) as 'Num of orders', Order_Id
FROM Orders
WHERE Cust_Id IN ( SELECT Customer_Id
FROM Customer
WHERE Fname='Sara')
GROUP BY Order_Id

```

```

SELECT Fname as 'Name of Customers'
FROM Customer

```

```
WHERE Customer_Id IN (SELECT Cust_Id  
FROM Orders  
WHERE Driver_Id='92')
```