UBER EATS DATABASE

ABSTRACT

Different varieties of food have a growing demand these days. People want to enjoy different cuisines all over the world. But with increase of restaurants day-by-day dining out or takeaway is a difficult choice. An online food ordering system like "Uber Eats" shows an easy way out by bringing food to your doorstep. Customers can order food from any place and at any time provided network connection is available. "Uber Eats" provides customers with a variety of restaurants to order from. Various details of restaurant are given, like rating and food menu, making the choice of customer easy. Live tracking of order is provided. Apart from this, refund is provided when the correct order is not delivered or when the customer is not satisfied with the food. "Uber Eats" is the best choice for people looking for good food.

"Good food equals good mood"

G Samhita
1602-18-737-095

REQUIREMENT ANALYSIS

List of tables:

- *Restaurant Details*
- *Customer Details*
- *Reservation*
- *Order Details*
- *Orders*
- *Payment*
- *Pays*
- *Order From*
- *Contains*
- *Reserve In*
- *Reserves*
- *Order By*

List of attributes with their domain types:

- *Customer*

1. Customer Id – varchar (Primary key)
2. Password - varchar
3. Gmail account – varchar
4. Name-char
5. Phone number - Number
6. Address – varchar

- *Uber Eats*

1. Opening and Closing Time – Time
2. Location – varchar
3. Food Item – char
4. Cost – Number
5. Restaurant Id – varchar (Primary key)

- *Order Details*

1. Location – varchar
2. Price – Number
3. Time of Delivery – Time
4. Order Id – Number (Primary Key)

- *Payment*

1. Date – date
2. Time – time
3. Type – varchar
4. Cash – Number
5. Transaction Id – Number (Primary Key)

- *Orders*

1. Order Id – varchar (Foreign key)
2. Customer Id – varchar (Foreign key)

- *Generates*

1. Order Id – varchar (Foreign key)

2. Transaction Id – varchar (Foreign key)

3

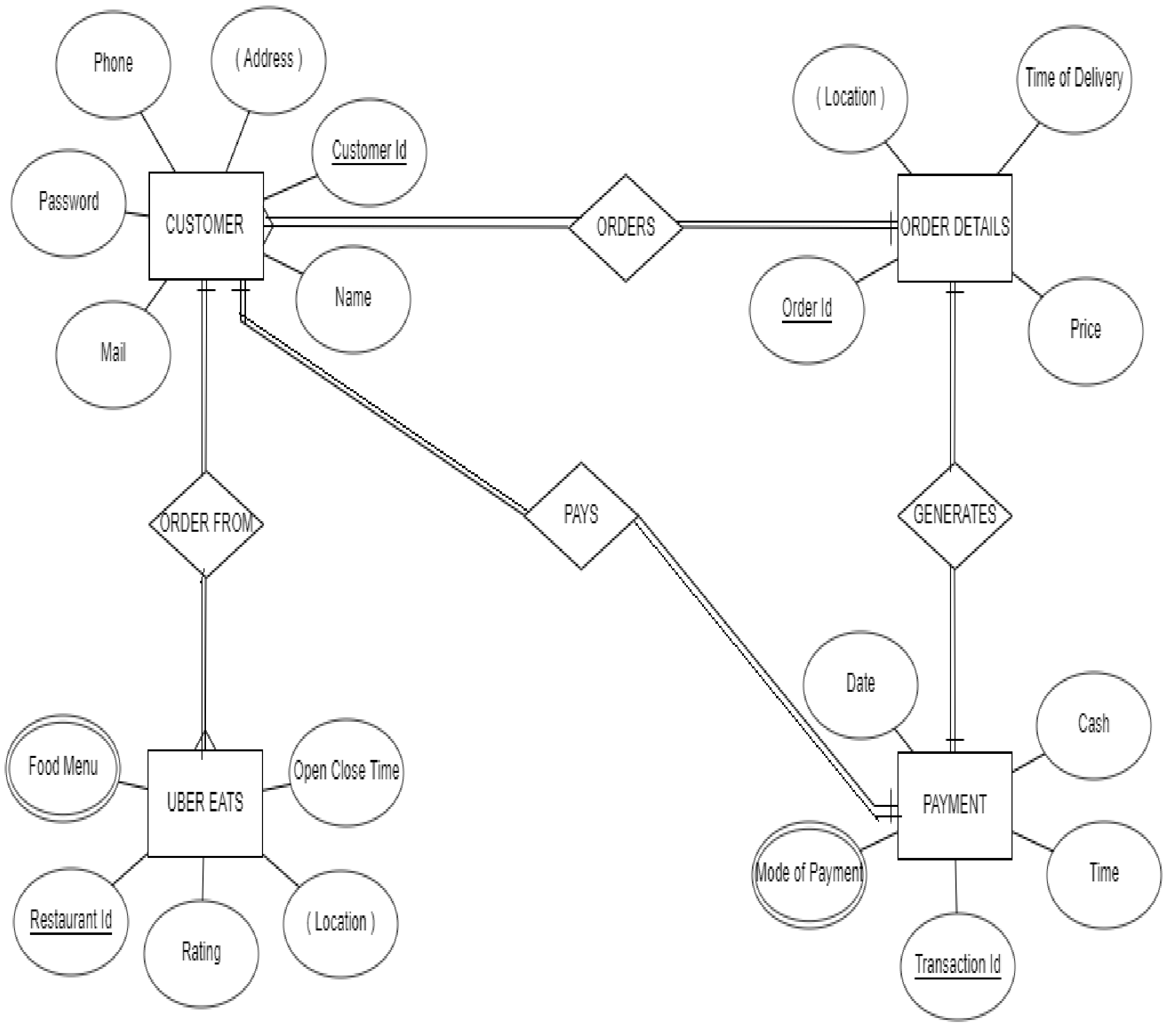
- *Order From*

1. Restaurant Id – varchar (Foreign key)
2. Customer Id – varchar (Foreign key)

- *Pays*

1. Customer Id – varchar2(Foreign key)
2. Transaction Id – varchar(Foreign key)

E R DIAGRAM



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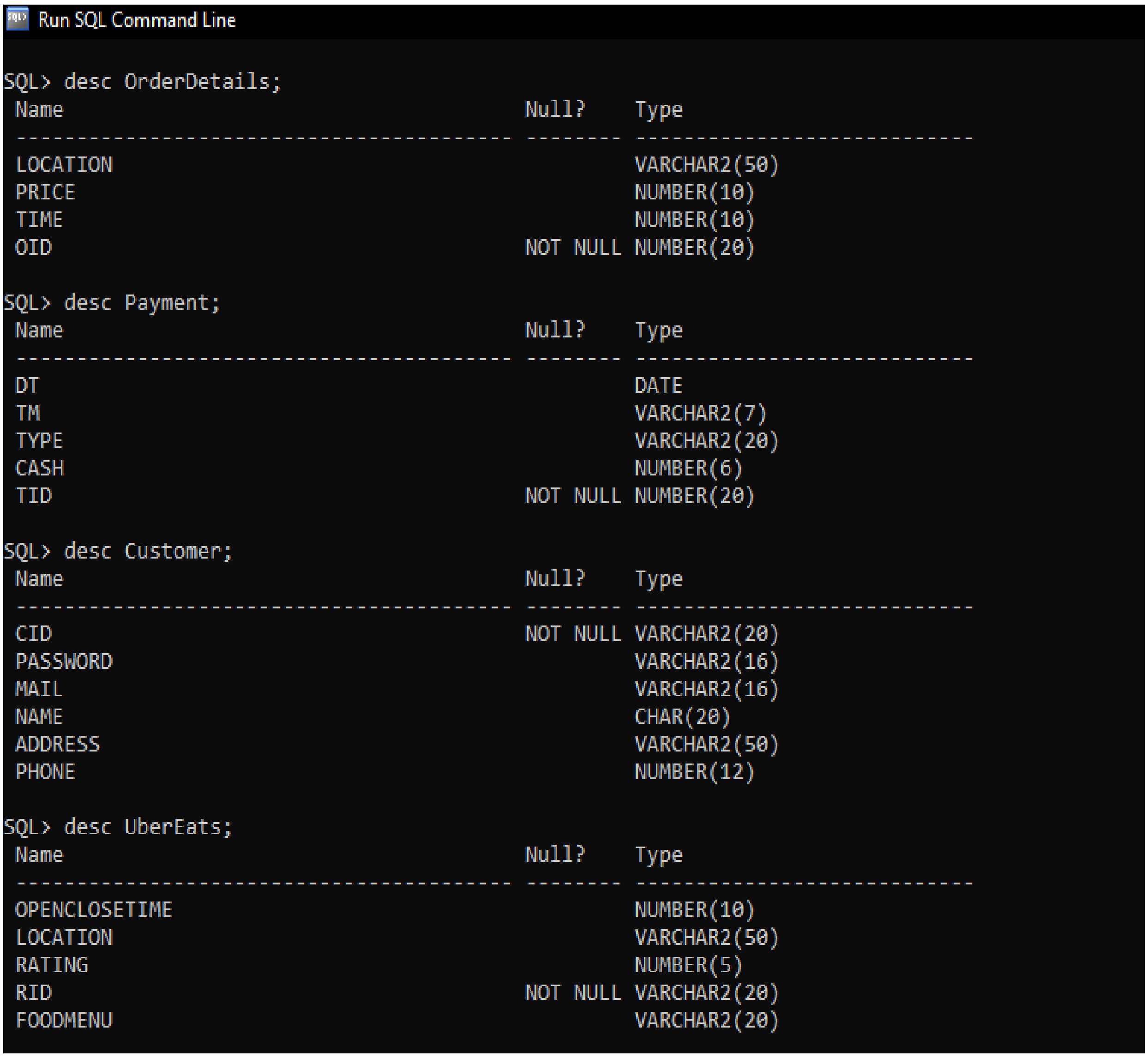
MAPPING CARDINALITIES And PARTICIPATION CONSTRAINTS

- Customer(many) Order from Uber Eats(one)
  One Customer can place an order from one Restaurant, but One Restaurant can receive orders from many Restaurants.
- Customer(one) Orders Order Details(many)
  One Customer can place many orders, but one order is places by one Customer.
- Order Details(one) Generates Payment(one)
  One Order generates one bill and one bill is generated by one Order.
- Customer(one) Pays Payment(one)
  One Customer can make one Payment regarding one order and one Payment is made by only one Customer regarding one order.

DDL COMMANDS

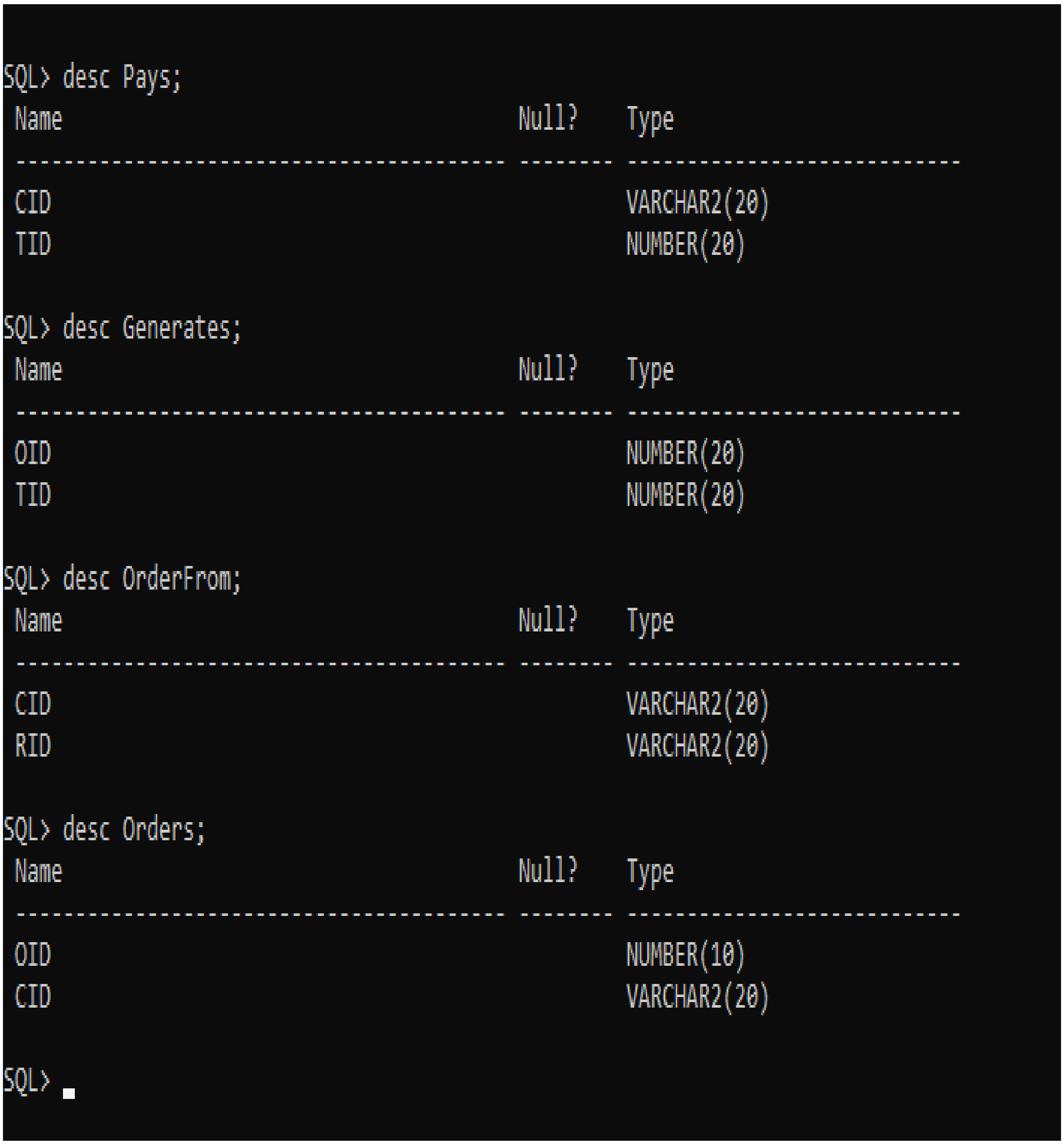
```
SQL> create table Customer(
  2 Cid varchar2(20),
  3 Password varchar2(16),
  4 Mail varchar2(16),
  5 Name char(20),
  6 Address varchar2(50),
  7 Phone number(12));

Table created.

SQL> create table UberEats(
  2  OpenCloseTime number(10),
  3  Location varchar2(50),
  4  Rating number(5),
  5  Rid varchar2(20),
  6  FoodMenu varchar2(20));

Table created.

SQL> create table OrderDetails(
  2  Location varchar2(50),
  3  Price number(10),
  4  Time number(10),
  5  Oid number(20));

Table created.

SQL> create table Payment(
  2  Dt date,
  3  Tm varchar2(7),
  4  Type varchar2(20),
  5  Cash number(6),
  6  Tid number(20));

Table created.

SQL> create table OrderFrom(
  2  Cid varchar2(20),
  3  Rid varchar2(20));

Table created.

SQL> create table Orders(
  2  Oid number(10),
  3  Cid varchar2(20));

Table created.

SQL> create table Pays(
  2  Cid varchar2(20),
  3  Tid number(20));

Table created.

SQL> create table Generates(
  2  Oid number(20),
  3  Tid number(20));

Table created.

SQL> alter table Customer add primary key(Cid);

Table altered.

SQL>  alter table UberEats add primary key(Rid);
```

```
Table altered.

SQL>  alter table Payment add primary key(Tid);

Table altered.

SQL>  alter table OrderDetails add primary key(Oid);

Table altered.

SQL> alter table Pays add foreign key(Cid) references Customer;

Table altered.

SQL> alter table Pays add foreign key(Tid) references Payment;

Table altered.

SQL> alter table OrderFrom add foreign key(Cid) references Customer;

Table altered.

SQL> alter table OrderFrom add foreign key(Rid) references UberEats;

Table altered.
SQL> alter table Orders add foreign key(Cid) references Customer;

Table altered.

SQL> alter table Orders add foreign key(Oid) references OrderDetails;

Table altered.

SQL> alter table Generates add foreign key(Oid) references OrderDetails;

Table altered.

SQL> alter table Generates add foreign key(Tid) references Payment;

Table altered.
```



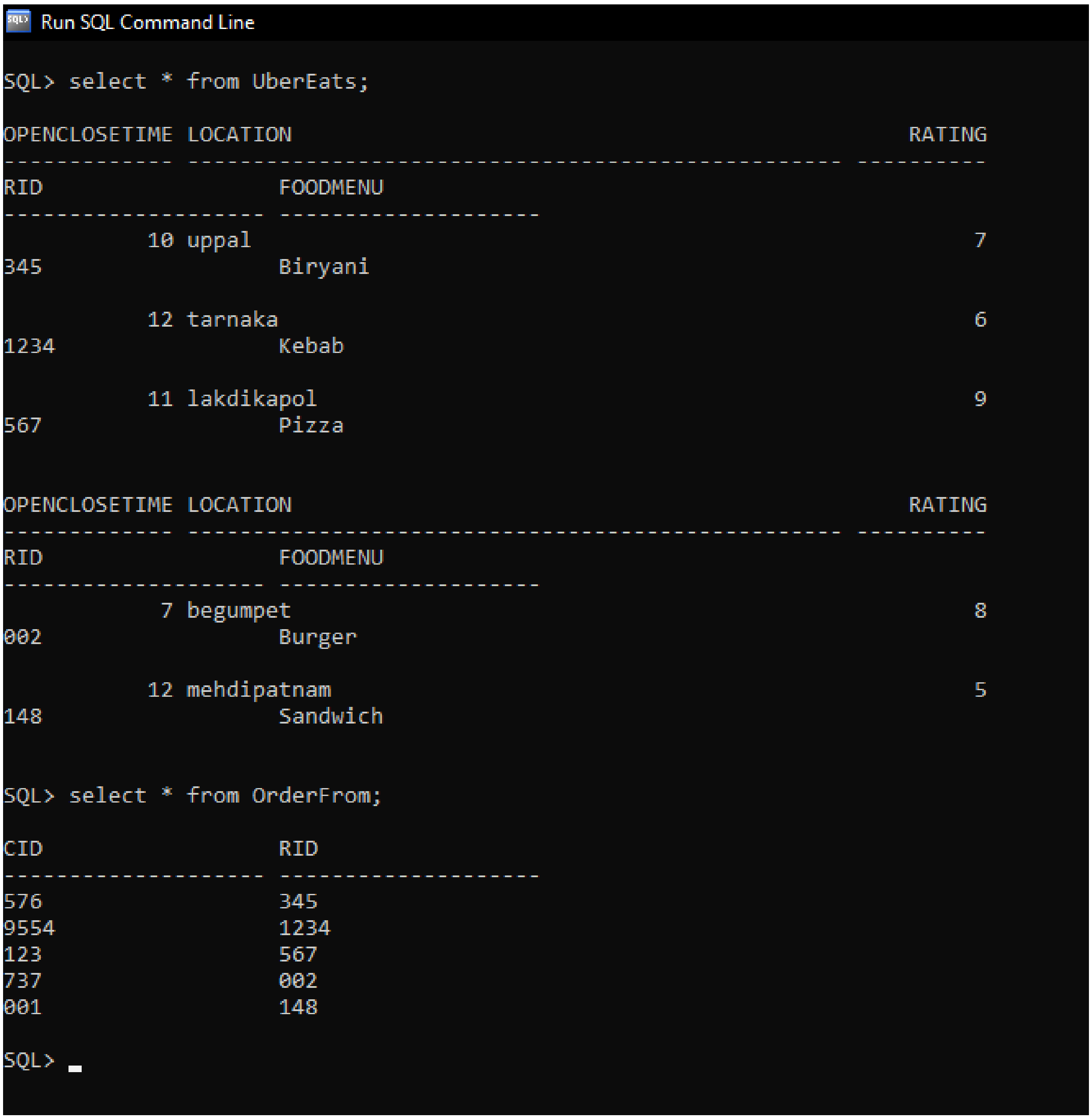
Run SQL Command Line

```
SQL> desc OrderDetails;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 LOCATION                                           VARCHAR2(50)
 PRICE                                              NUMBER(10)
 TIME                                               NUMBER(10)
 OID                                       NOT NULL NUMBER(20)

SQL> desc Payment;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 DT                                                 DATE
 TM                                                 VARCHAR2(7)
 TYPE                                               VARCHAR2(20)
 CASH                                               NUMBER(6)
 TID                                       NOT NULL NUMBER(20)

SQL> desc Customer;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 CID                                       NOT NULL VARCHAR2(20)
 PASSWORD                                           VARCHAR2(16)
 MAIL                                               VARCHAR2(16)
 NAME                                               CHAR(20)
 ADDRESS                                            VARCHAR2(50)
 PHONE                                              NUMBER(12)

SQL> desc UberEats;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 OPENCLOSETIME                                      NUMBER(10)
 LOCATION                                           VARCHAR2(50)
 RATING                                             NUMBER(5)
 RID                                       NOT NULL VARCHAR2(20)
 FOODMENU                                           VARCHAR2(20)
```



```
SQL> desc Pays;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 CID                                                VARCHAR2(20)
 TID                                                NUMBER(20)

SQL> desc Generates;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 OID                                                NUMBER(20)
 TID                                                NUMBER(20)

SQL> desc OrderFrom;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 CID                                                VARCHAR2(20)
 RID                                                VARCHAR2(20)

SQL> desc Orders;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 OID                                                NUMBER(10)
 CID                                                VARCHAR2(20)

SQL>
```

DML COMMANDS


Run SQL Command Line

```
SQL> select * from UberEats;

OPENCLOSETIME LOCATION                                           RATING
------------- -------------------------------------------------- ----------
RID                  FOODMENU
-------------------- --------------------
           10 uppal                                                       7
345                  Biryani

           12 tarnaka                                                     6
1234                 Kebab

           11 lakdikapol                                                  9
567                  Pizza


OPENCLOSETIME LOCATION                                           RATING
------------- -------------------------------------------------- ----------
RID                  FOODMENU
-------------------- --------------------
            7 begumpet                                                    8
002                  Burger

           12 mehdipatnam                                                 5
148                  Sandwich


SQL> select * from OrderFrom;

CID                  RID
-------------------- --------------------
576                  345
9554                 1234
123                  567
737                  002
001                  148

SQL> _
```

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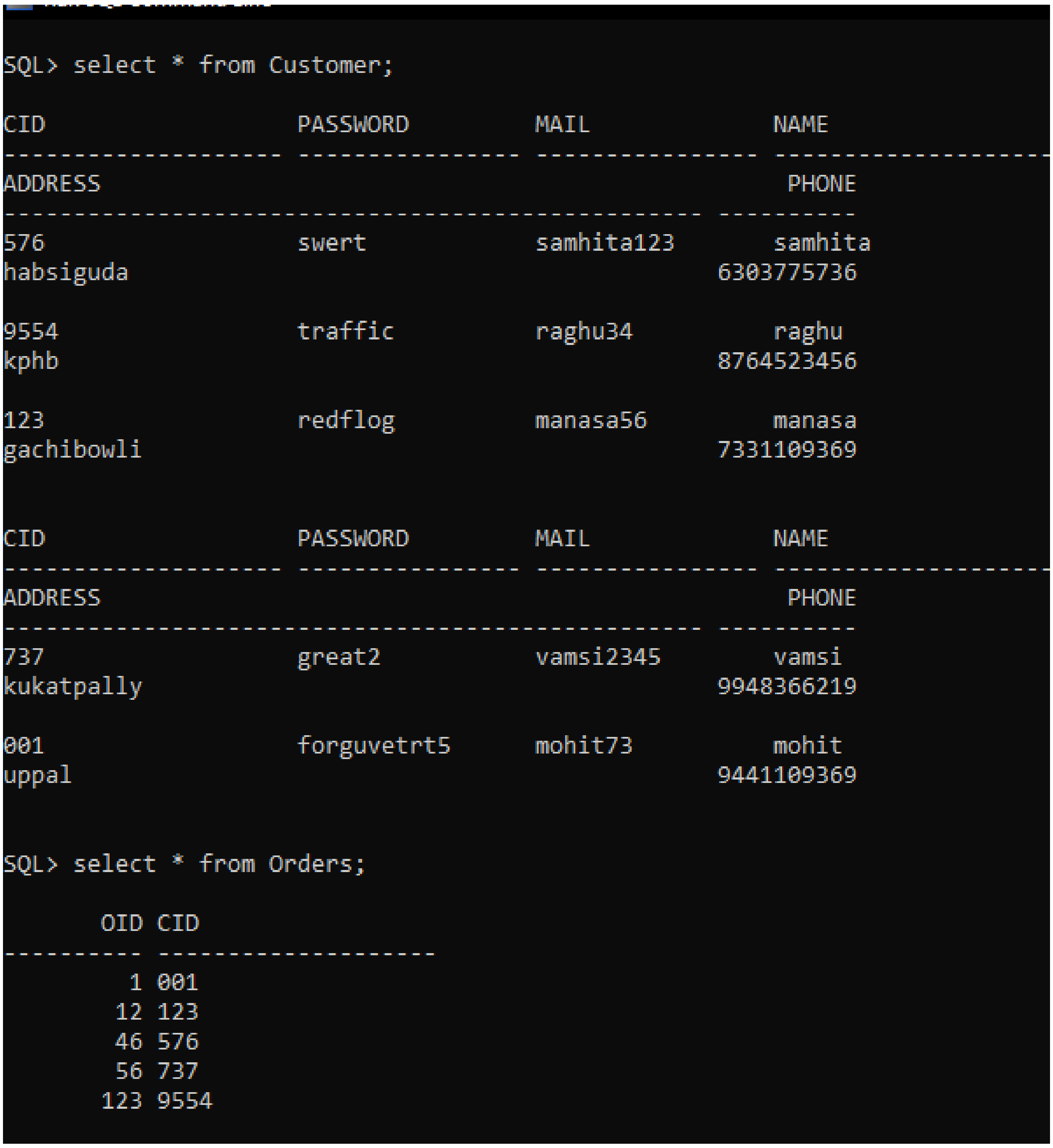

```
SQL> select * from Customer;

CID                  PASSWORD        MAIL            NAME
-------------------- --------------- --------------- --------------------
ADDRESS                                                  PHONE
-------------------------------------------------- ----------
576                  swert           samhita123        samhita
habsiguda                                          6303775736

9554                 traffic         raghu34           raghu
kphb                                               8764523456

123                  redflog         manasa56          manasa
gachibowli                                         7331109369


CID                  PASSWORD        MAIL            NAME
-------------------- --------------- --------------- --------------------
ADDRESS                                                  PHONE
-------------------------------------------------- ----------
737                  great2          vamsi2345         vamsi
kukatpally                                         9948366219

001                  forguvetrt5     mohit73           mohit
uppal                                              9441109369


SQL> select * from Orders;

       OID CID
---------- --------------------
         1 001
        12 123
        46 576
        56 737
       123 9554
```

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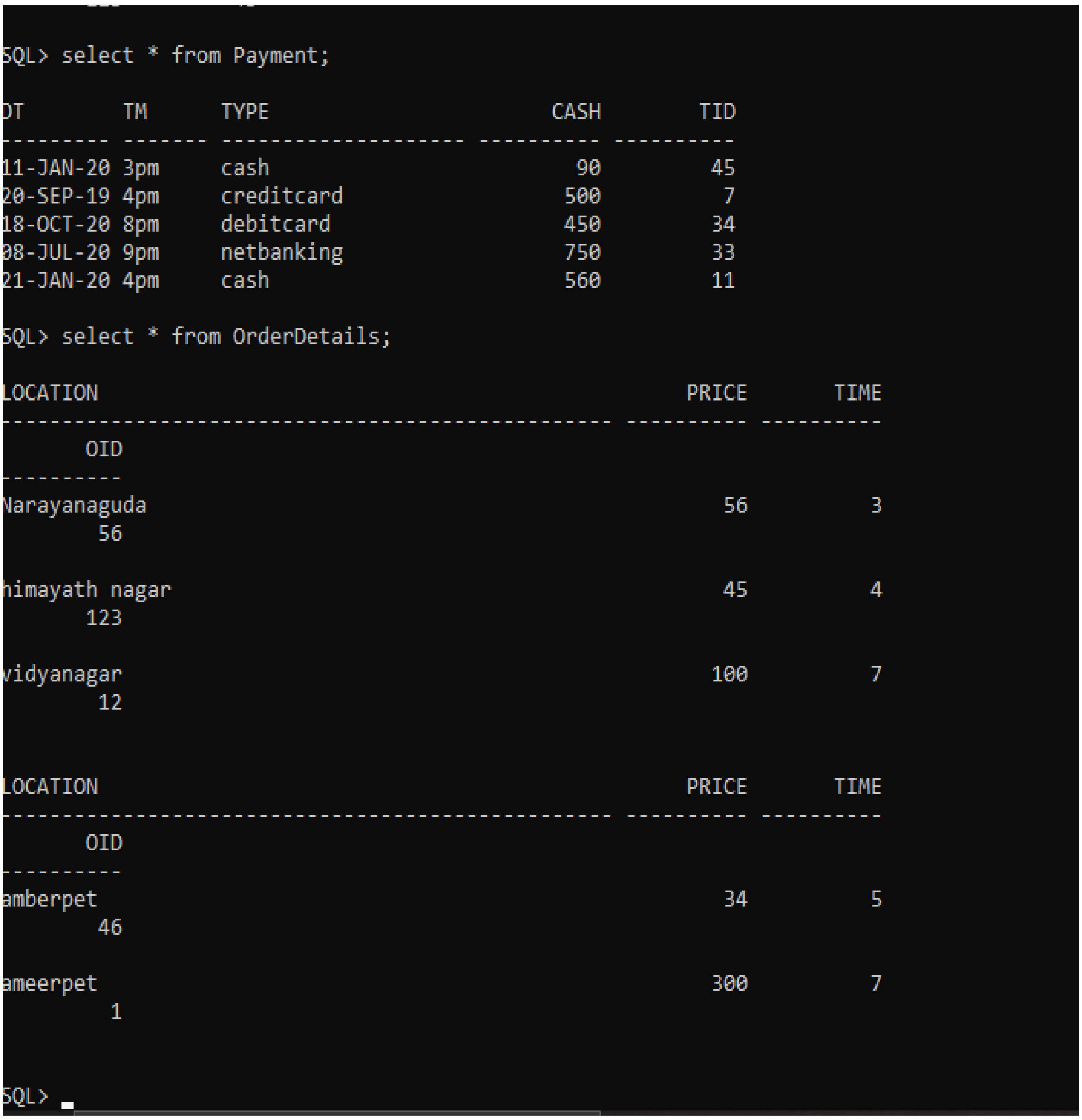
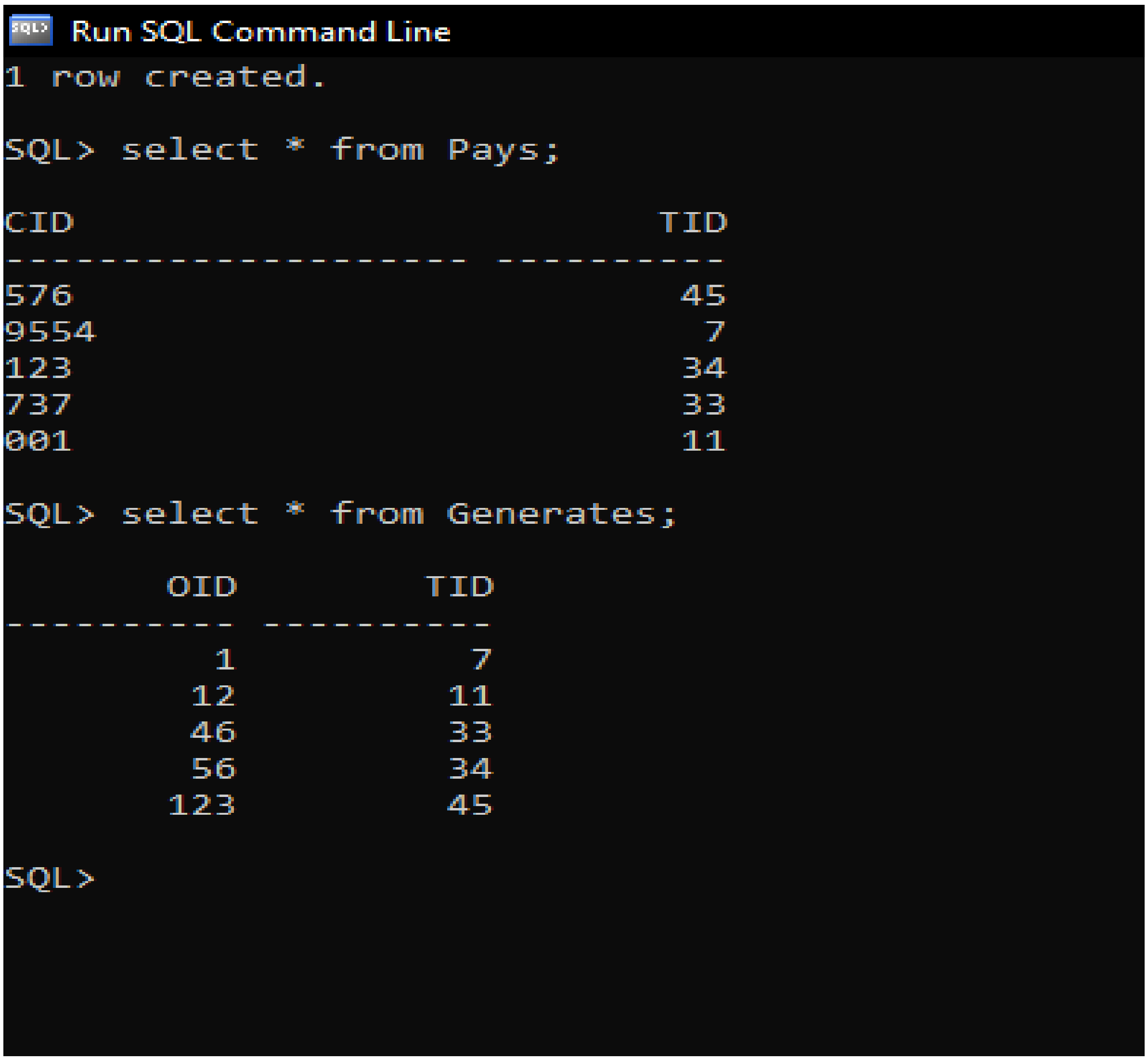


```
SQL> select * from Payment;

DT        TM      TYPE                       CASH        TID
--------- ------- -------------------- ---------- ----------
11-JAN-20 3pm     cash                         90         45
20-SEP-19 4pm     creditcard                  500          7
18-OCT-20 8pm     debitcard                   450         34
08-JUL-20 9pm     netbanking                  750         33
21-JAN-20 4pm     cash                        560         11

SQL> select * from OrderDetails;

LOCATION                                                PRICE       TIME
-------------------------------------------------- ---------- ----------
       OID
----------
Narayanaguda                                               56          3
        56

himayath nagar                                             45          4
       123

vidyanagar                                                100          7
        12


LOCATION                                                PRICE       TIME
-------------------------------------------------- ---------- ----------
       OID
----------
amberpet                                                   34          5
        46

ameerpet                                                  300          7
         1


SQL> _
```



Run SQL Command Line

```
1 row created.

SQL> select * from Pays;

CID                         TID
-------------------- ----------
576                          45
9554                          7
123                          34
737                          33
001                          11

SQL> select * from Generates;

       OID        TID
---------- ----------
         1          7
        12         11
        46         33
        56         34
       123         45

SQL>
```