Create the following tables

Customer master table- Customer

Column Name	Format	Remarks
Cust_id	Varchar2(10)	Primary key, Starts with 'C'
Fname	Varchar2(15)	
Lname	Varchar2(15)	
Area	Varchar2(5)	
Phone_no	Number(10)	Not Null

Movies master table: Movie

Column Name	Format	Remarks
Mv_no	Varchar2(5)	Primary key, Starts with'M'
Title	Varchar2(25)	
Type	Varchar2(10)	
Star	Varchar2(25)	
Price	Number(8,2)	

Invoice transaction table: Invoice

Column Name	Format	Remarks
Inv_no	Varchar2(10)	Primary key,Starts with 'I'
Mv_no	Varchar2(5)	References Movie table
Cust_id	Varchar2(10)	References Customer table
Issue_date	Date	
Return_date	Date	

```
Create table Customer(

        Cust_id varchar2(10) primary key check(Cust_id like 'C%'),
        Fname varchar2(15),
        Lname varchar2(15),
        Area varchar2(5),
        Phone_no number(10) not null
);

Create table Movie(
        Mv_no varchar2(5) primary key check(Mv_no like 'M%'),
        Title varchar2(25),
        Type varchar2(10),
        Star varchar2(25),
        Price number(8,2)
);

Create table Invoice(
        Inv_no varchar2(10) primary key check(Inv_no like 'I%' ),
        Mv_no varchar2(5) references Movie,
        Cust_id varchar2(10) references Customer,
        Issue_date Date,
        Return_date Date
);



insert into Customer values ('C01','Bayross','Ivan','sa',6125467);
insert into Customer values ('C02','Saitwal','Vandana','mu',5560379);
insert into Customer values ('C03','Jaguste','Pramada','da',4563891);
insert into Customer values ('C04','Navindgi','Basu','ba',6125401);
insert into Customer values ('C06','Koushik ','Rukmini','gh',5125274);




insert into movie values ('M001','bloody vengeance','action','jackie chan',180.95);
insert into movie values ('M002','the firm','thriller','tom cruise',200.00);
insert into movie values ('M003','pretty woman','romance','richard gere',200.00);
insert into movie values ('M004','home alone','comedy','macaulay culkin',150);
insert into movie values ('M005','the fugitive','thriller','harisson ford',200.00);
insert into movie values ('M006','coma','suspense','michael douglas',100.00);
insert into movie values ('M007','dracula','horror','gary oldman',150.25);
insert into movie values ('M008','quick change','comedy','bill muray',100.00);
insert into movie values ('M009','gone with the wind','drama','clarke gable',200.00);
insert into movie values ('M010','carry on doctor','comedy','leslie phillips',100.00);


insert into invoice values ('I01','M004','C01','23-jul-93','25-jul-93');
insert into invoice values ('I02','M003','C02','12-aug-93','15-aug-93');
insert into invoice values ('I03','M001','C02','15-aug-93','18-aug-93');
insert into invoice values ('I04','M006','C03','10-sep-93','12-sep-93');
insert into invoice values ('I05','M007','C04','05-aug-93','08-aug-93');
insert into invoice values ('I06','M002','C06','18-sep-93','21-sep-93');
```

```
insert into invoice values ('I07','M009','C05','07-jul-93','10-jul-93');
insert into invoice values ('I08','M009','C01','11-aug-93','14-aug-93');
insert into invoice values ('I09','M005','C03','06-jul-93','07-jul-93');
insert into invoice values ('I10','M008','C06','03-sep-93','06-sep-93');
```

A. Print the type and average price of each movie.

```
SQL> select type from movie;

TYPE
----------
action
thriller
romance
comedy
thriller
suspense
horror
comedy
drama
comedy

10 rows selected.

SQL> select avg(price) from movie;

AVG(PRICE)
----------
    158.12
```

B. Find out the movie number which has been issued to 'Bayross'.

```
SQL> select Mv_no from Invoice where Cust_id='C01';

MV_NO
-----
M004
M009
```

C. Find out which customer has been issued movie number 'M009'.

```
SQL> select fname from customer where cust_id in(select cust_id from invoice
where mv_no='M009');

FNAME
---------------
Bayross
```

D. Display the invoice number and day on which customers were issued movies.

```
SQL> select inv_no,issue_date from invoice;

INV_NO     ISSUE_DAT
---------- ---------
I01        23-JUL-93
I02        12-AUG-93
I03        15-AUG-93
I04        10-SEP-93
I05        05-AUG-93
I06        18-SEP-93
I08        11-AUG-93
I09        06-JUL-93
I10        03-SEP-93

9 rows selected.
```

E. Change the telephone number of Koushik to 466389.

```
update Customer set Phone_no=466389 where Fname='Koushik';
```

A. Find the number of movies in each type.

```
SQL> select type,count(type) from movie group by type;

TYPE       COUNT(TYPE)
---------- -----------
action               1
thriller             2
romance              1
comedy               3
suspense             1
horror               1
drama                1

7 rows selected.
```

B. Find the names and movie numbers of all the customers who have been issued a movie.

```
SQL> select fname,lname,mv_no from customer,invoice where
invoice.cust_id=customer.cust_id;

FNAME           LNAME           MV_NO
--------------- --------------- -----
Bayross         Ivan            M004
Saitwal         Vandana         M003
Saitwal         Vandana         M001
Jaguste         Pramada         M006
Navindgi        Basu            M007
Koushik         Rukmini         M002
Bayross         Ivan            M009
Jaguste         Pramada         M005
Koushik         Rukmini         M008

9 rows selected.
```

C. Find the Customer name and area with invoice number 'I010'.

```
SQL> select fname,lname,area from Customer where cust_id
in(select cust_id from invoice where inv_no='I10');

FNAME           LNAME           AREA
--------------- --------------- -----
Koushik         Rukmini         gh
```

D. Display the months (in alphabets) in which customers are supposed to return the movie.

```
SQL> select to_char(return_date,'dd-month-yy')from invoice;

TO_CHAR(RETURN_DATE,'DD-MONTH-YY')
-----------------------------------------
25-july     -93
15-august   -93
18-august   -93
12-september-93
08-august   -93
21-september-93
14-august   -93
07-july     -93
06-september-93

9 rows selected.
```

E. Change the issue date of customer id 'C101' to 24/07/93.

```
SQL> update invoice set issue_date='24-jul-93' where cust_id='C01';

2 rows updated.

SQL> select * from invoice;

INV_NO     MV_NO CUST_ID    ISSUE_DAT RETURN_DA
---------- ----- ---------- --------- ---------
I01        M004  C01        24-JUL-93 25-JUL-93
I02        M003  C02        12-AUG-93 15-AUG-93
I03        M001  C02        15-AUG-93 18-AUG-93
I04        M006  C03        10-SEP-93 12-SEP-93
I05        M007  C04        05-AUG-93 08-AUG-93
I06        M002  C06        18-SEP-93 21-SEP-93
I08        M009  C01        24-JUL-93 14-AUG-93
I09        M005  C03        06-JUL-93 07-JUL-93
I10        M008  C06        03-SEP-93 06-SEP-93

9 rows selected.
```

A. Calculate the average price of all movies where type is 'Comedy' or 'Thriller' and price is greater than or equal to 150.00.

```
SQL> select type,avg(price) from movie where price>=150 group by type having
type in ('comedy','thriller');

TYPE       AVG(PRICE)
---------- ----------
thriller          200
comedy            150
```

B. Find the names of customers who have been issued movie of type 'drama'.

```
SQL> select fname,lname from customer where cust_id in (select cust_id from
invoice where mv_no in (select mv_no from movie where type = 'drama'));

FNAME           LNAME
--------------- ---------------
Bayross         Ivan
```

C. Find out the movie starring 'Tom Crusie' is issued to any customer and print the cust_id to whom it is issued.

```
SQL> select cust_id from Customer where cust_id in (select cust_id from invoice
where mv_no in (select mv_no from movie where star='tom cruise'));

CUST_ID
----------
       C06
```

D. Find the number of days elapsed between the current date and return date of the movie for all customers.

```
SQL> select sysdate-return_date from invoice;

SYSDATE-RETURN_DATE
-------------------
         10903.0202
         10882.0202
         10879.0202
         10854.0202
         10889.0202
         10845.0202
         10883.0202
         10921.0202
         10860.0202

9 rows selected.
```

E. Change the area of cust_id 'C005' to 'vs'.

```
SQL> update Customer set area='vs' where cust_id='C04';

1 row updated.

SQL> select * from Customer;

CUST_ID    FNAME           LNAME           AREA    PHONE_NO
---------- --------------- --------------- ----- ----------
C01        Bayross         Ivan            sa       6125467
C02        Saitwal         Vandana         mu       5560379
C03        Jaguste         Pramada         da       4563891
C04        Navindgi        Basu            vs       6125401
C06        Koushik         Rukmini         gh       5125274
```