Assignment 1

DBMS LAB

IT552

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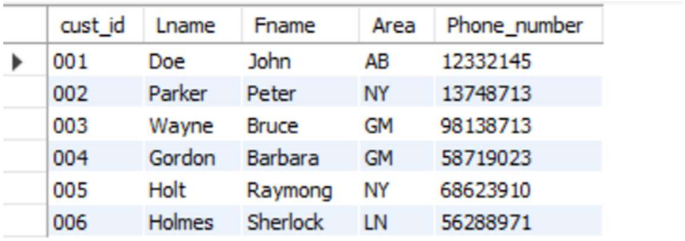
Fifth Semester

Information Technology (HY)

Creating the Customer Table:

Using MySQL

```
create table cust(
cust_id varchar(3),
Lname varchar(15),
Fname varchar(15),
Area varchar(2),
Phone_number bigint
);
insert into cust (cust_id, Lname, Fname, Area,
Phone_number)
values ('001','Doe','John','AB','12332145');
insert into cust (cust_id, Lname, Fname, Area,
Phone_number)
values ('002','Parker','Peter','NY',13748713);
insert into cust (cust_id, Lname, Fname, Area,
Phone_number)
values ('003','Wayne','Bruce','GM',98138713);
insert into cust (cust_id, Lname, Fname, Area,
Phone_number)
values ('004','Gordon','Barbara','GM',58719023);
insert into cust (cust_id, Lname, Fname, Area,
Phone_number)
values ('005','Holt','Raymond','NY',68623910);
insert into cust (cust_id, Lname, Fname, Area,
Phone_number)
values ('006','Holmes','Sherlock','LN',56288971);
select * from cust;
```

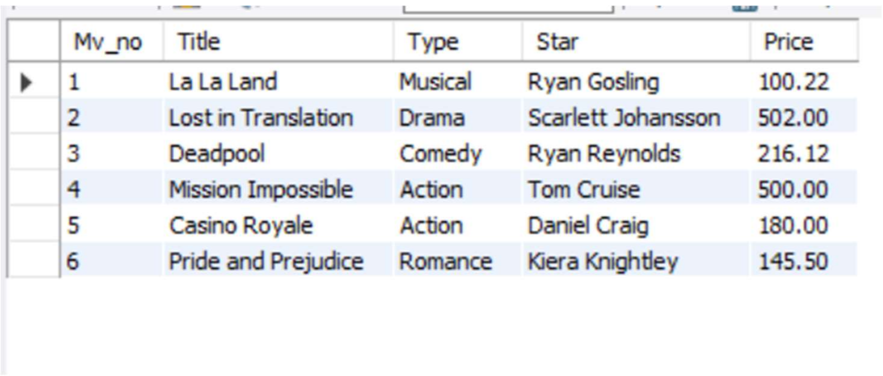


	cust_id	Lname	Fname	Area	Phone_number
▶	001	Doe	John	AB	12332145
	002	Parker	Peter	NY	13748713
	003	Wayne	Bruce	GM	98138713
	004	Gordon	Barbara	GM	58719023
	005	Holt	Raymong	NY	68623910
	006	Holmes	Sherlock	LN	56288971

Creating the Movie Table:

Using MySQL

```
create table movie(
Mv_no int,
Title varchar(25),
Type varchar(10),
Star varchar(25),
Price decimal(8,2)
);
insert into movie (Mv_no, Title, Type, Star, Price)
values (1,'La La Land','Musical','Ryan Gosling',100.22);
insert into movie (Mv_no, Title, Type, Star, Price)
values (2,'Lost in Translation','Drama','Scarlett
Johansson',502.00);
insert into movie (Mv_no, Title, Type, Star, Price)
values (3,'Deadpool','Comedy','Ryan Reynolds',216.12);
insert into movie (Mv_no, Title, Type, Star, Price)
values (4,'Mission Impossible','Action','Tom
Cruise',500.00);
insert into movie (Mv_no, Title, Type, Star, Price)
values (5,'Casino Royale','Action','Daniel Craig',180.00);
insert into movie (Mv_no, Title, Type, Star, Price)
values (6,'Pride and Prejudice','Romance','Kiera
Knightley',145.50);
select * from movie;
```

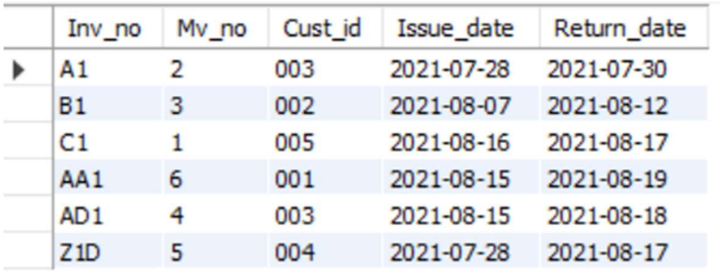


	Mv_no	Title	Type	Star	Price
▶	1	La La Land	Musical	Ryan Gosling	100.22
	2	Lost in Translation	Drama	Scarlett Johansson	502.00
	3	Deadpool	Comedy	Ryan Reynolds	216.12
	4	Mission Impossible	Action	Tom Cruise	500.00
	5	Casino Royale	Action	Daniel Craig	180.00
	6	Pride and Prejudice	Romance	Kiera Knightley	145.50

Creating the Invoice Table:

Using MySQL

```
create table invoice(
Inv_no varchar(3),
Mv_no int,
Cust_id varchar(3),
Issue_date DATE,
Return_date DATE
);
insert into invoice(Inv_no, Mv_no, Cust_id, Issue_date,
Return_date)
values ('A1',2,'003',DATE_SUB(CAST(NOW() AS DATE),
INTERVAL 20 DAY),DATE_SUB(CAST(NOW() AS DATE), INTERVAL 18
DAY));
insert into invoice(Inv_no, Mv_no, Cust_id, Issue_date,
Return_date)
values ('B1',3,'002',DATE_SUB(CAST(NOW() AS DATE),
INTERVAL 10 DAY),DATE_SUB(CAST(NOW() AS DATE), INTERVAL 5
DAY));
insert into invoice(Inv_no, Mv_no, Cust_id, Issue_date,
Return_date)
values ('C1',1,'005',DATE_SUB(CAST(NOW() AS DATE),
INTERVAL 1 DAY),CAST(NOW() AS DATE));
insert into invoice(Inv_no, Mv_no, Cust_id, Issue_date,
Return_date)
values ('AA1',6,'001',DATE_SUB(CAST(NOW() AS DATE),
INTERVAL 2 DAY),DATE_ADD(CAST(NOW() AS DATE), INTERVAL 2
DAY));
insert into invoice(Inv_no, Mv_no, Cust_id, Issue_date,
Return_date)
values ('AD1',4,'003',DATE_SUB(CAST(NOW() AS DATE),
INTERVAL 2 DAY),DATE_ADD(CAST(NOW() AS DATE), INTERVAL 1
DAY));
insert into invoice(Inv_no, Mv_no, Cust_id, Issue_date,
Return_date)
values ('Z1D',5,'004',DATE_SUB(CAST(NOW() AS DATE),
INTERVAL 20 DAY),CAST(NOW() AS DATE));
select * from invoice;
```

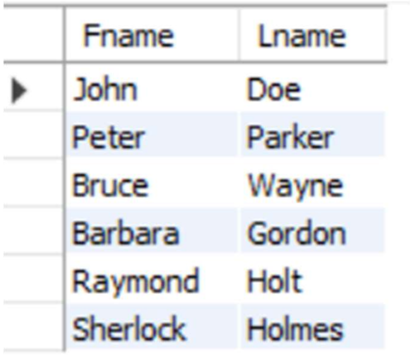


Inv_no	Mv_no	Cust_id	Issue_date	Return_date
A1	2	003	2021-07-28	2021-07-30
B1	3	002	2021-08-07	2021-08-12
C1	1	005	2021-08-16	2021-08-17
AA1	6	001	2021-08-15	2021-08-19
AD1	4	003	2021-08-15	2021-08-18
Z1D	5	004	2021-07-28	2021-08-17

1. **Find out names of all customers:**

   Using MySQL

```
select Fname, Lname from cust;
```

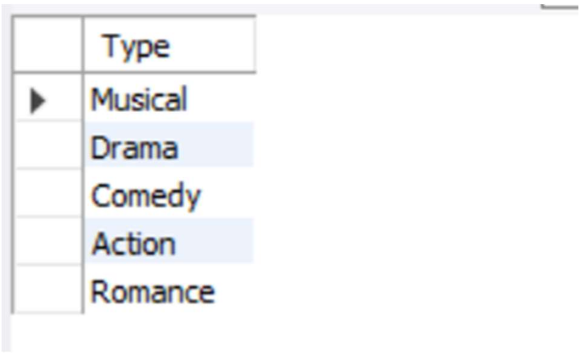


Fname	Lname
John	Doe
Peter	Parker
Bruce	Wayne
Barbara	Gordon
Raymond	Holt
Sherlock	Holmes

2. **List the various movie types available from the movie table:**

   Using MySQL

```
select distinct Type from movie;
```

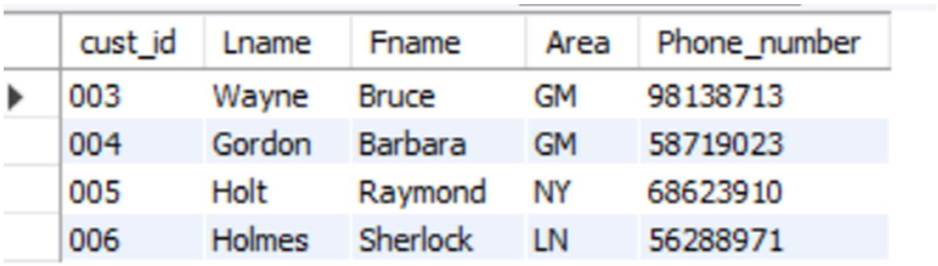


Type
Musical
Drama
Comedy
Action
Romance

3. **Print the list of all employees whose phone numbers are greater than the value 5550000:**

Using MySQL

```
select * from cust where Phone_number>55550000;
```

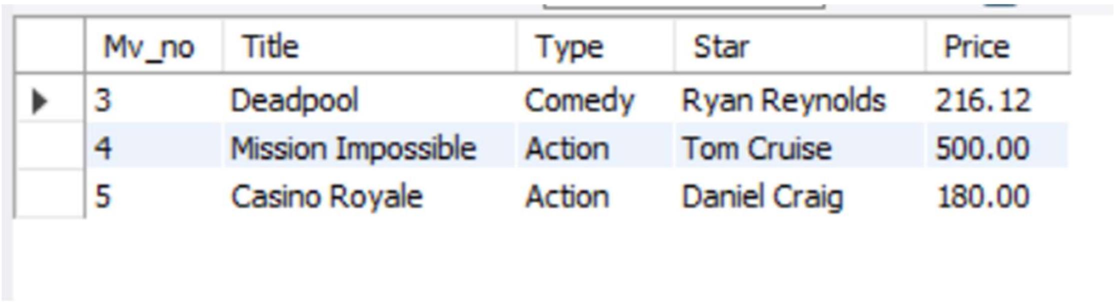


	cust_id	Lname	Fname	Area	Phone_number
▶	003	Wayne	Bruce	GM	98138713
	004	Gordon	Barbara	GM	58719023
	005	Holt	Raymond	NY	68623910
	006	Holmes	Sherlock	LN	56288971

4. **Find the movies of type 'Action' or 'Comedy':**

Using MySQL

```
select * from movie where Type = 'Action' OR Type =
'Comedy';
```

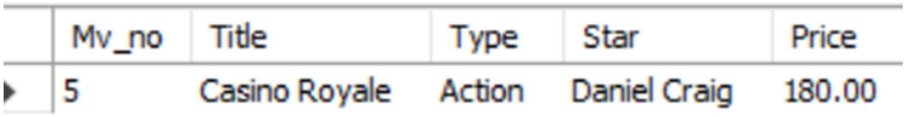


	Mv_no	Title	Type	Star	Price
▶	3	Deadpool	Comedy	Ryan Reynolds	216.12
	4	Mission Impossible	Action	Tom Cruise	500.00
	5	Casino Royale	Action	Daniel Craig	180.00

5. **Find the movies whose price is greater than 150 and less than or equal to 200:**

Using MySQL

```
select * from movie where price > 150.00 AND price <=
200.00;
```



	Mv_no	Title	Type	Star	Price
▶	5	Casino Royale	Action	Daniel Craig	180.00