Assignment 1

DBMS LAB

IT552

Aditya Badayalya

510819056

Fifth Semester

Information Technology (HY)

6. Find out all the customers having ‘a’ as second letter of their fname:

Using mysql

```
select * from cust where fname like '_a%';
```

cust_id	Lname	Fname	Area	Phone_number
004	Gordon	Barbara	GM	58719023
005	Holt	Raymond	NY	68623910

7. Find out lname of all customers that begins with a ‘p’ or ‘h’:

Using MySQL

```
select * from cust where lname like 'h%'or lname like
'p%';
```

cust_id	Lname	Fname	Area	Phone_number
002	Parker	Peter	NY	13748713
005	Holt	Raymond	NY	68623910
006	Holmes	Sherlock	LN	56288971

8. Find out customers who stay in area whose second letter is ‘n’:

Using mysql

```
select * from cust where Area like '_N';
```

cust_id	Lname	Fname	Area	Phone_number
006	Holmes	Sherlock	LN	56288971

9. Find out list of all customers who stay in area 'NY' or 'GM' or 'LN'

Using MySQL

```
select * from cust where Area = 'NY' or Area = 'LN' or
Area = 'GM'
```

cust_id	Lname	Fname	Area	Phone_number
002	Parker	Peter	NY	13748713
003	Wayne	Bruce	GM	98138713
004	Gordon	Barbara	GM	58719023
005	Holt	Raymond	NY	68623910
006	Holmes	Sherlock	LN	56288971

10. List the mv_no, title, type of movies whose stars begin with letter 'r':

Using mysql

```
select mv_no, title, type from movie where Star like 'R%';
```

mv_no	title	type
1	La La Land	Musical
3	Deadpool	Comedy

11. Find the movies that cost more than 150 and find out the new cost as original cost*15:

Using MySQL

```
select Title, Price * 15 as New_price from movie where
Price > 150;
```

	Title	New_price
▶	Lost in Translation	7530.00
	Deadpool	3241.80
	Mission Impossible	7500.00
	Casino Royale	2700.00

12. List the movies in the sorted order of their titles:

Using MySQL

```
select * from movie order by title asc;
```

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

13. Print the names and types of the all the movies except action movies:

Using MySQL

```
select title, type from movie where not type ='Action';
```

	title	type
▶	La La Land	Musical
	Lost in Translation	Drama
	Deadpool	Comedy
	Pride and Prejudice	Romance

14. Divide the cost of movie 'Deadpool' by difference between it's price and 100:

Using MySQL

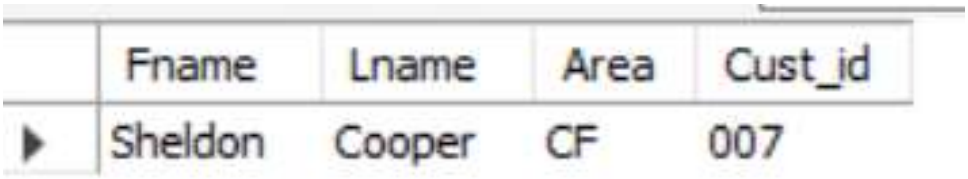
```
select Title, Price,price/(price-100) as New_Price from
movie where title='Deadpool';
```

	Title	Price	New_Price
▶	Deadpool	216.12	1.861178

15. List names, areas and cust_id of customers without phone numbers:

Using MySQL

```
select Fname, Lname, Area, Cust_id from cust where
Phone_number is null;
```



	Fname	Lname	Area	Cust_id
▶	Sheldon	Cooper	CF	007

16 . List the names of customer with lname 'Holt':

Using MySQL

```
select fname from cust where lname = 'Holt';
```

	fname
▶	Raymond

17. Print the information from invoice table of customers who have been issued movies in the month of august:

Using MySQL

```
select * from invoice where Issue_date like '%-07-__';
```

	Inv_no	Mv_no	Cust_id	Issue_date	Return_date
▶	A1	2	003	2021-07-31	2021-08-02
	Z1D	5	004	2021-07-31	2021-08-20

23. Print the information of invoice table in following format for all record:

a) The invoice number of Customer Id. {cust_id} is {inv_no} and Movie no. is {mv_no}.

Using MySQL

```
select concat("The invoice no. of Customer ID ", cust_id
," is ", inv_no," and Movie no. is ", mv_no ) as 'Output'
from invoice;
```

	Output
▶	The invoice no. of Customer ID 003 is A1 and Movie no. is 2
	The invoice no. of Customer ID 002 is B1 and Movie no. is 3
	The invoice no. of Customer ID 005 is C1 and Movie no. is 1
	The invoice no. of Customer ID 001 is AA1 and Movie no. is 6
	The invoice no. of Customer ID 003 is AD1 and Movie no. is 4
	The invoice no. of Customer ID 004 is Z1D and Movie no. is 5

b) {cust_id} has take Movie no. {mv_no} on {issue_date} and will return on {return_date}

Using MySQL

```
select concat(cust_id ," has taken Movie no. ", mv_no , "
on ", issue_date , " and will return on ", return_date)
 as 'Output' from invoice;
```

Output
003 has taken Movie no. 2 on 2021-07-31 and will return on 2021-08-02
002 has taken Movie no. 3 on 2021-08-10 and will return on 2021-08-15
005 has taken Movie no. 1 on 2021-08-19 and will return on 2021-08-20
001 has taken Movie no. 6 on 2021-08-18 and will return on 2021-08-22
003 has taken Movie no. 4 on 2021-08-18 and will return on 2021-08-21
004 has taken Movie no. 5 on 2021-07-31 and will return on 2021-08-20