

DBMS LAB-IV

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1. Write 5 Nested Queries for your respective database- the queries should not be very similar like just changing the where clause or just building all the queries on only one or two tables etc. The queries should make sense, it should cover most part of your database tables.

a.

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```
SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr > (SELECT MoviesID FROM MOVIES WHERE MoviesID =100);
```

Results	Explain	Describe	Saved SQL	History																	
<table><tr><th>MOVIES_NAME</th></tr><tr><td>Phir Hera Pheri</td></tr><tr><td>Fuckrey</td></tr><tr><td>Shawshank Redumption</td></tr><tr><td>Fuckrey 2</td></tr><tr><td>OMG</td></tr><tr><td>White Tiger</td></tr><tr><td>Kabir Singh</td></tr><tr><td>Avengers</td></tr><tr><td>Avengers-Infinity War</td></tr><tr><td>Rockstar</td></tr><tr><td>Sholay</td></tr><tr><td>Inception</td></tr><tr><td>Housefull 4</td></tr><tr><td>Star Wars</td></tr><tr><td>Godzilla</td></tr><tr><td>Bazzar</td></tr></table>					MOVIES_NAME	Phir Hera Pheri	Fuckrey	Shawshank Redumption	Fuckrey 2	OMG	White Tiger	Kabir Singh	Avengers	Avengers-Infinity War	Rockstar	Sholay	Inception	Housefull 4	Star Wars	Godzilla	Bazzar
MOVIES_NAME																					
Phir Hera Pheri																					
Fuckrey																					
Shawshank Redumption																					
Fuckrey 2																					
OMG																					
White Tiger																					
Kabir Singh																					
Avengers																					
Avengers-Infinity War																					
Rockstar																					
Sholay																					
Inception																					
Housefull 4																					
Star Wars																					
Godzilla																					
Bazzar																					
16 rows returned in 0.02 seconds				CSV Export																	

b.

☒ Autocommit Display 20 ▼

SELECT DIRECTORS FROM DIRECTOR
WHERE MOVIESID > (SELECT MoviesID FROM MOVIES WHERE MoviesID =101);

Results Explain Describe Saved SQL History

DIRECTORS
Amarthya Jain
Ravi Singh
Rajveer Singh
Sanjay Bhanshali

4 rows returned in 0.02 seconds [CSV Export](#)

c.

☒ Autocommit Display 20 ▼

SELECT DIRECTORS FROM DIRECTOR
WHERE MOVIESID > (SELECT MoviesID FROM MOVIES WHERE MoviesID =101) AND MOVIESID < (SELECT MoviesID FROM MOVIES WHERE MoviesID =105);

Results Explain Describe Saved SQL History

DIRECTORS
Amarthya Jain
Ravi Singh
Rajveer Singh

3 rows returned in 0.00 seconds [CSV Export](#)

d.

☒ Autocommit Display 20 ▼

SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings in cr BETWEEN (SELECT MoviesID FROM MOVIES WHERE MoviesID =100) AND (SELECT MoviesID FROM MOVIES WHERE MoviesID =106) ;

Results Explain Describe Saved SQL History

MOVIES_NAME
Rockstar

1 rows returned in 0.00 seconds [CSV Export](#)

e.

```
Autocommit Display 20
SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in.cr BETWEEN (SELECT MoviesID FROM director WHERE MoviesID =101) AND (SELECT MoviesID FROM MOVIES WHERE MoviesID =119) ;
```

Results	Explain	Describe	Saved SQL	History
MOVIES_NAME				
Rockstar				
1 rows returned in 0.00 seconds CSV Export				

2. Illustrate how we can use Concat and As operators in SQL (minimum 3 queries).

a.

```
Autocommit Display 20
SELECT CONCAT (MOVIES_NAME, 'COMMON ID') || SL_NO FROM MOVIES;
```

Results	Explain	Describe	Saved SQL	History
CONCAT(MOVIES_NAME,'COMMONID') SL_NO				
OctoberCOMMON ID1				
Phir Hera PheriCOMMON ID1				
FuckreyCOMMON ID1				
Shawshank RedumptionCOMMON ID1				
Fuckrey 2COMMON ID1				
Kal hona hoCOMMON ID1				
OMGCOMMON ID1				
Sadak 2COMMON ID1				
Delhi BelliCOMMON ID1				
White TigerCOMMON ID1				
Kabir SinghCOMMON ID1				
AvengersCOMMON ID1				
Avengers-Infinity WarCOMMON ID1				
RockstarCOMMON ID1				
SholayCOMMON ID1				
InceptionCOMMON ID1				
Housefull 4COMMON ID1				
Star WarsCOMMON ID1				
GodzillaCOMMON ID1				
BazaarCOMMON ID1				
20 rows returned in 0.00 seconds CSV Export				

b.

☒ Autocommit Display 20 ▼

SELECT MOVIESID AS ID FROM MOVIES

Results Explain Describe Saved SQL History

ID
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119

20 rows returned in 0.00 seconds [CSV Export](#)

c.

☒ Autocommit Display 20 ▼

SELECT MOVIES_name AS name FROM MOVIES

Results	Explain	Describe	Saved SQL	History
NAME				
October				
Phir Hera Pheri				
Fuckrey				
Shawshank Redumtion				
Fuckrey 2				
Kal hona ho				
OMG				
Sadak 2				
Delhi Belli				
White Tiger				
Kabir Singh				
Avengers				
Avengers-Infinity War				
Rockstar				
Sholay				
Inception				
Housefull 4				
Star Wars				
Godzilla				
Bazaar				

20 rows returned in 0.01 seconds [CSV Export](#)

3. Illustrate all the Comparison operator (2 queries for each operator).

a. ">"

(i)

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 Display 20

```

SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr > (SELECT MoviesID FROM MOVIES WHERE MoviesID =108);
    
```

Results	Explain	Describe	Saved SQL	History
MOVIES_NAME				
Phir Hera Pheri				
Fuckrey				
Shawshank Redumption				
Fuckrey 2				
OMG				
White Tiger				
Kabir Singh				
Avengers				
Avengers-Infinity War				
Sholay				
Inception				
Housefull 4				
Star Wars				
Godzilla				
Bazzar				
15 rows returned in 0.00 seconds				CSV Export

(ii)

☒ Autocommit
 Display

```

SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr > 200
    
```

b. ">="

(i)

☒ Autocommit
 Display

```

SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr >= (SELECT MoviesID FROM MOVIES WHERE MoviesID =103);
    
```

Results Explain Describe Saved SQL History

MOVIES_NAME
Phir Hera Pheri
Fuckrey
Shawshank Redumption
Fuckrey 2
OMG
White Tiger
Kabir Singh
Avengers
Avengers-Infinity War
Rockstar
Sholay
Inception
Housefull 4
Star Wars
Godzilla
Bazzar

16 rows returned in 0.00 seconds

[CSV Export](#)

(ii)

☒ Autocommit
 Display

```

SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr >= 200
    
```

Results	Explain	Describe	Saved SQL	History										
<table><thead><tr><th>MOVIES_NAME</th></tr></thead><tbody><tr><td>Shawshank Redumption</td></tr><tr><td>Kabir Singh</td></tr><tr><td>Avengers</td></tr><tr><td>Avengers-Infinity War</td></tr><tr><td>Sholay</td></tr><tr><td>Inception</td></tr><tr><td>Housefull 4</td></tr><tr><td>Star Wars</td></tr><tr><td>Godzilla</td></tr></tbody></table>					MOVIES_NAME	Shawshank Redumption	Kabir Singh	Avengers	Avengers-Infinity War	Sholay	Inception	Housefull 4	Star Wars	Godzilla
MOVIES_NAME														
Shawshank Redumption														
Kabir Singh														
Avengers														
Avengers-Infinity War														
Sholay														
Inception														
Housefull 4														
Star Wars														
Godzilla														
9 rows returned in 0.00 seconds				CSV Export										

c. "<="

(i)

☒ Autocommit Display 20 ▼

```
SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr <= (SELECT MoviesID FROM MOVIES WHERE MoviesID =103);
```

Results	Explain	Describe	Saved SQL	History
MOVIES_NAME				
October				
Kal hona ho				
Sadak 2				
Delhi Belli				
4 rows returned in 0.00 seconds CSV Export				

(ii)

☒ Autocommit Display 20 ▼

```
SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr <= 300
```

Results	Explain	Describe	Saved SQL	History
MOVIES_NAME				
October				
Phir Hera Pheri				
Fuckrey				
Fuckrey 2				
Kal hona ho				
OMG				
Sadak 2				
Delhi Belli				
White Tiger				
Rockstar				
Sholay				
Bazaar				
12 rows returned in 0.00 seconds CSV Export				

d. "="

(i)

☒ Autocommit Display 20 ▼

```
SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr = 60
```

Results	Explain	Describe	Saved SQL	History
MOVIES_NAME				
October				
1 rows returned in 0.00 seconds CSV Export				

(ii)

☒ Autocommit Display 20 ▼

```
SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr = 92
```

Results	Explain	Describe	Saved SQL	History
MOVIES_NAME				
Kal hona ho				
1 rows returned in 0.00 seconds CSV Export				

e. "<"

(i)

☒ Autocommit Display 20 ▼

```
SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr < 200
```

Results Explain Describe Saved SQL History

MOVIES_NAME
October
Phir Hera Pheri
Fuckrey
Fuckrey 2
Kal hona ho
OMG
Sadak 2
Delhi Belli
White Tiger
Rockstar
Bazaar

11 rows returned in 0.00 seconds

[CSV Export](#)

(ii)

☒ Autocommit
 Display

```

SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr < 150
    
```

Results Explain Describe Saved SQL History

MOVIES_NAME
October
Phir Hera Pheri
Fuckrey
Kal hona ho
Sadak 2
Delhi Belli
White Tiger
Rockstar
Bazaar

9 rows returned in 0.00 seconds

[CSV Export](#)

- f. "<>"
(i)

☒ Autocommit Display 20 ▼

```
SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr <> 150
```

Results	Explain	Describe	Saved SQL	History
MOVIES_NAME				
October				
Phir Hera Pheri				
Fuckrey				
Shawshank Redumption				
Fuckrey 2				
Kal hona ho				
OMG				
Sadak 2				
Delhi Belli				
White Tiger				
Kabir Singh				
Avengers				
Avengers-Infinity War				
Rockstar				
Sholay				
Inception				
Housefull 4				
Star Wars				
Godzilla				
Bazzar				
20 rows returned in 0.00 seconds CSV Export				

- (ii)

☒ Autocommit Display 20 ▼

```
SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr <> 92
```

Results	Explain	Describe	Saved SQL	History
MOVIES_NAME				
October				
Phir Hera Pheri				
Fuckrey				
Shawshank Redumption				
Fuckrey 2				
OMG				
Sadak 2				
Delhi Belli				
White Tiger				
Kabir Singh				
Avengers				
Avengers-Infinity War				
Rockstar				
Sholay				
Inception				
Housefull 4				
Star Wars				
Godzilla				
Bazaar				

19 rows returned in 0.02 seconds

[CSV Export](#)

4. Illustrate Logical operators except ANY, ALL and Like (2 queries for each operator).
 - a. AND

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 Display 20

```

SELECT DIRECTORS FROM DIRECTOR
WHERE MOVIESID > (SELECT MoviesID FROM MOVIES WHERE MoviesID =101) AND MOVIESID < (SELECT MoviesID FROM MOVIES WHERE MoviesID =105);
  
```

Results Explain Describe Saved SQL History

DIRECTORS
Amarthya Jain
Ravi Singh
Rajveer Singh

3 rows returned in 0.02 seconds

[CSV Export](#)

b. BETWEEN

☒ Autocommit Display 20 ▼

```
SELECT MOVIES_NAME FROM MOVIES
WHERE Earnings_in_cr BETWEEN (SELECT MoviesID FROM director WHERE MoviesID =101) AND (SELECT MoviesID FROM MOVIES WHERE MoviesID =106) ;
```

Results	Explain	Describe	Saved SQL	History		
<table><tr><th>MOVIES_NAME</th></tr><tr><td>Rockstar</td></tr></table>					MOVIES_NAME	Rockstar
MOVIES_NAME						
Rockstar						
1 rows returned in 0.00 seconds			CSV Export			

c. IN

☒ Autocommit Display 20 ▼

```
SELECT * FROM MOVIES
WHERE MOVIESID IN (100,109);
```

Results	Explain	Describe	Saved SQL	History															
<table> <tr> <th>MOVIESID</th><th>MOVIES_NAME</th><th>RAITINGS</th><th>SL_NO</th><th>EARNINGS_IN_CR</th></tr> <tr> <td>100</td><td>October</td><td>3</td><td>1</td><td>60</td></tr> <tr> <td>109</td><td>White Tiger</td><td>4</td><td>1</td><td>124</td></tr> </table>					MOVIESID	MOVIES_NAME	RAITINGS	SL_NO	EARNINGS_IN_CR	100	October	3	1	60	109	White Tiger	4	1	124
MOVIESID	MOVIES_NAME	RAITINGS	SL_NO	EARNINGS_IN_CR															
100	October	3	1	60															
109	White Tiger	4	1	124															
2 rows returned in 0.00 seconds			CSV Export																

d. EXISTS

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```
SELECT * FROM MOVIES
WHERE EXISTS (SELECT EARNINGS_IN_CR FROM MOVIES WHERE EARNINGS_IN_CR > 50);
```

MOVIESID	MOVIES_NAME	RAITINGS	SL_NO	EARNINGS_IN_CR
100	October	3	1	60
101	Phir Hera Pheri	5	1	120
102	Fuckrey	4	1	145
103	Shawshank Redumption	5	1	457
104	Fuckrey 2	4	1	165
105	Kal hona ho	4	1	92
106	OMG	5	1	163
107	Sadak 2	1	1	15
108	Delhi Belli	2	1	45
109	White Tiger	4	1	124
110	Kabir Singh	5	1	324
111	Avengers	5	1	7045
112	Avengers-Infinity War	5	1	10953
113	Rockstar	3	1	104
114	Sholay	5	1	204
115	Inception	5	1	784
116	Housefull 4	2	1	475
117	Star Wars	4	1	4745
118	Godzilla	4	1	845
119	Bazaar	4	1	135

20 rows returned in 0.00 seconds [CSV Export](#)

e. NOT

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```
SELECT * FROM MOVIES
WHERE MOVIESID NOT LIKE 's%';
```

Results	Explain	Describe	Saved SQL	History
MOVIESID	MOVIES_NAME	RAITINGS	SL_NO	EARNINGS_IN_CR
100	October	3	1	60
101	Phir Hera Pheri	5	1	120
102	Fuckrey	4	1	145
103	Shawshank Redumption	5	1	457
104	Fuckrey 2	4	1	165
105	Kal hona ho	4	1	92
106	OMG	5	1	163
107	Sadak 2	1	1	15
108	Delhi Belli	2	1	45
109	White Tiger	4	1	124
110	Kabir Singh	5	1	324
111	Avengers	5	1	7045
112	Avengers-Infinity War	5	1	10953
113	Rockstar	3	1	104
114	Sholay	5	1	204
115	Inception	5	1	784
116	Housefull 4	2	1	475
117	Star Wars	4	1	4745
118	Godzilla	4	1	845
119	Bazzar	4	1	135

20 rows returned in 0.00 seconds [CSV Export](#)

f. OR

☒ Autocommit
 Display

```
SELECT * FROM MOVIES
WHERE MOVIESID = 111 OR EARNINGS_IN_CR = 92;
```

Results	Explain	Describe	Saved SQL	History
MOVIESID	MOVIES_NAME	RAITINGS	SL_NO	EARNINGS_IN_CR
105	Kal hona ho	4	1	92
111	Avengers	5	1	7045

2 rows returned in 0.00 seconds [CSV Export](#)

g. SOME

☒ Autocommit Display

```
SELECT * FROM MOVIES
WHERE EARNINGS_IN_CR > SOME (SELECT EARNINGS_IN_CR FROM MOVIES WHERE EARNINGS_IN_CR > 400);
```

Results	Explain	Describe	Saved SQL	History
MOVIESID	MOVIES_NAME	RAITINGS	SL_NO	EARNINGS_IN_CR
111	Avengers	5	1	7045
112	Avengers-Infinity War	5	1	10953
115	Inception	5	1	784
116	Housefull 4	2	1	475
117	Star Wars	4	1	4745
118	Godzilla	4	1	845

6 rows returned in 0.00 seconds [CSV Export](#)