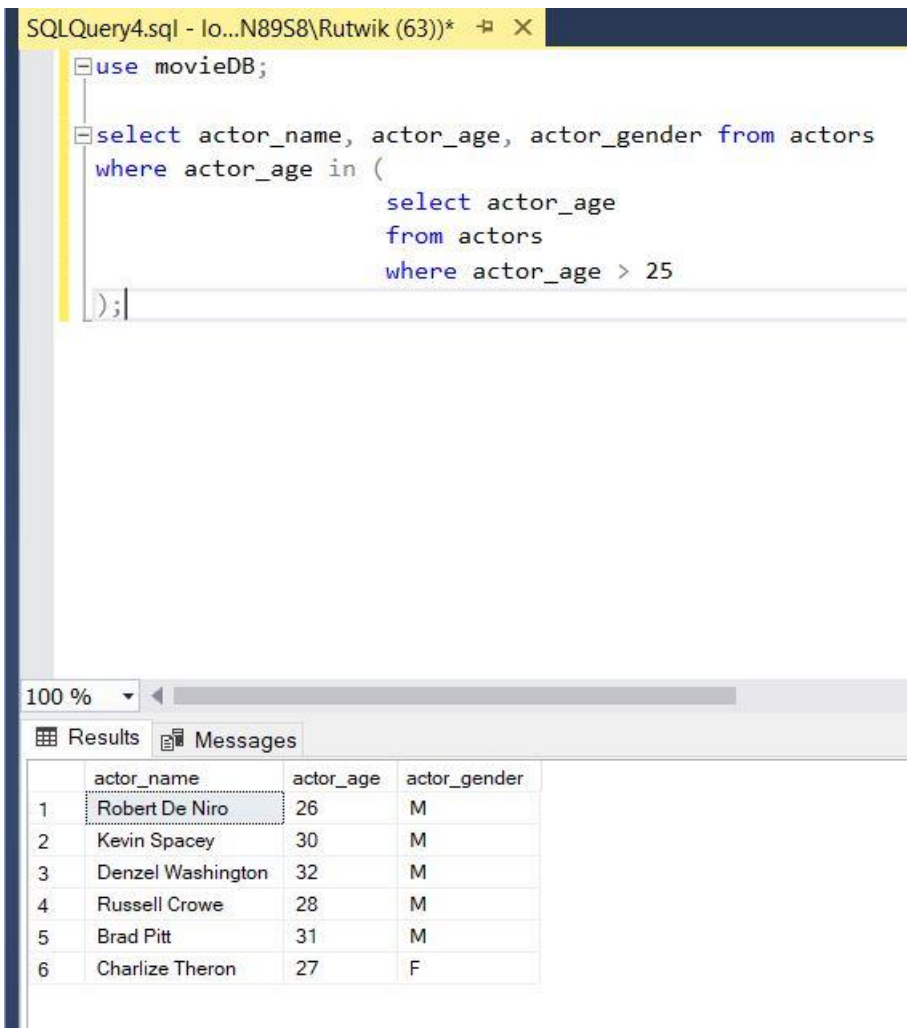# DBMS LAB ASSIGNMENT 4

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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.

QUERY 1

QUERY 2

```
SQLQuery4.sql - lo...N89S8\Rutwik (63))* ⧉ ✕
use movieDB;

select movie_name from movies
where movie_genre in (
                    select movie_genre
                    from movies
                    where movie_genre = 'Sci-Fi'
);
```

100 % ▼ ◄

⊞ Results | 🗊 Messages

	movie_name
1	Pirates of carribiean
2	The Teleporter
3	Wonderland
4	Pirates of carribiean2

QUERY 3

```sql
use movieDB;

select director_name,producer_name,musicdirector_name from crew
where movie_id in(
    select movie_id
    from movies
    where movie_id = 2
);
```

	director_name	producer_name	musicdirector_name
1	Dacia	Dacre	Dafina

QUERY 4

```sql
select director_name,producer_name,musicdirector_name from crew
where movie_id in(
    select movie_id
    from movies
    where movie_id =6
);
```

	director_name	producer_name	musicdirector_name
1	goutam	goutham	dinesh

QUERY 5

```
select director_name,producer_name,musicdirector_name from crew
where movie_id in(
    select movie_id
    from movies
    where movie_id =6
);
select director_name from crew
where movie_id in (
                select movie_id
                from movies
                where movie_id = 9
);
```

110 %

Results | Messages

	director_name
1	rao

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

QUERY 1

```
use movieDB;

select concat(actor_name, '   |', actor_age) as Actor_Details
from actors;
```

100 % ▾

⊞ Results 📰 Messages

	Actor_Details
1	Johnny Depp 23
2	Al Pacino 25
3	Robert De Niro 26
4	Kevin Spacey 30
5	Denzel Washington 32
6	Russell Crowe 28
7	Brad Pitt 31
8	Angelina Jolie 22
9	Kate Winslet 21
10	Charlize Theron 27

QUERY 2

```
SQLQuery4.sql - lo...N89S8\Rutwik (63))*    SQLQuery1.sql - lo...N89S8\Rutwik (53))*    SQLQuery3.sql - lo...N89S8\Rutwik

use movieDB;

select concat(director_name, ',', producer_name,',',musicdirector_name) as Crew
from crew
where crew_id=2 or crew_id = 5;
```

	Crew
1	satwik,rutwik,ganesh
2	veera,ravi,teja

QUERY 3

```
SQLQuery4.sql - Io...N89S8\Rutwik (63))*  -¤ ×  SQLQuery1.sql - Io...N89S8\Rutwik (53))*
    use movieDB;

    select concat(movie_name, ',', movie_genre) as Movie
    from movies;
```

100 % ▼ ◄

⊞ Results 🖬 Messages

	Movie
1	Pirates of carribiean,Sci-Fi
2	Bahubali,Periodic
3	The Teleporter,Sci-Fi
4	Wonderland,Sci-Fi
5	Romeo Juliet,Romantic
6	Mr.Bean,Comedy
7	Hello Baby,Rom-Com
8	Stuart Little,Animation
9	Pirates of carribiean2,Sci-Fi
10	RadheSyam,Romantic

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

QUERY 1 FOR "="

```
select * from actors
where actor_age = 26;
```

83 %

⊞ Results 📄 Messages

	actor_ID	actor_name	actor_age	actor_gender
1	3	Robert De Niro	26	M

QUERY 2 FOR "="

```
use MovieDB

select * from actors
where actor_gender = 'F';
```

83 %

⊞ Results 📄 Messages

	actor_ID	actor_name	actor_age	actor_gender
1	8	Angelina Jolie	22	F
2	9	Kate Winslet	21	F
3	10	Charlize Theron	27	F

QUERY 1 FOR ">"

```
use MovieDB

select * from actors
where actor_age > 30;
```

83 %

Results | Messages

	actor_ID	actor_name	actor_age	actor_gender
1	5	Denzel Washington	32	M
2	7	Brad Pitt	31	M

QUERY 2 FOR ">"

```
select * from actors
where actor_age > 25;
```

83 %

Results | Messages

	actor_ID	actor_name	actor_age	actor_gender
1	3	Robert De Niro	26	M
2	4	Kevin Spacey	30	M
3	5	Denzel Washington	32	M
4	6	Russell Crowe	28	M
5	7	Brad Pitt	31	M
6	10	Charlize Theron	27	F

QUERY 1 FOR "<"

```
select * from actors
where actor_age < 31;
```

83 %

Results | Messages

	actor_ID	actor_name	actor_age	actor_gender
1	1	Johnny Depp	23	M
2	2	Al Pacino	25	M
3	3	Robert De Niro	26	M
4	4	Kevin Spacey	30	M
5	6	Russell Crowe	28	M
6	8	Angelina Jolie	22	F
7	9	Kate Winslet	21	F
8	10	Charlize Theron	27	F

QUERY 2 FOR "<"

```
select * from actors
where actor_age < 25;
```

83 %

Results | Messages

	actor_ID	actor_name	actor_age	actor_gender
1	1	Johnny Depp	23	M
2	8	Angelina Jolie	22	F
3	9	Kate Winslet	21	F

QUERY 1 FOR ">="

```
select * from actors
where actor_age >= 25;
```

83 %

Results | Messages

	actor_ID	actor_name	actor_age	actor_gender
1	2	Al Pacino	25	M
2	3	Robert De Niro	26	M
3	4	Kevin Spacey	30	M
4	5	Denzel Washington	32	M
5	6	Russell Crowe	28	M
6	7	Brad Pitt	31	M
7	10	Charlize Theron	27	F

QUERY 2 FOR ">="

```
select * from actors
where actor_age >= 30;
```

83 %

Results | Messages

	actor_ID	actor_name	actor_age	actor_gender
1	4	Kevin Spacey	30	M
2	5	Denzel Washington	32	M
3	7	Brad Pitt	31	M

QUERY 1 FOR "<="

```
select * from actors
where actor_age <= 25;
```

83 %

Results | Messages

	actor_ID	actor_name	actor_age	actor_gender
1	1	Johnny Depp	23	M
2	2	Al Pacino	25	M
3	8	Angelina Jolie	22	F
4	9	Kate Winslet	21	F

QUERY 2 FOR "<="

```
select * from actors
where actor_age <= 30;
```

83 %

Results | Messages

	actor_ID	actor_name	actor_age	actor_gender
1	1	Johnny Depp	23	M
2	2	Al Pacino	25	M
3	3	Robert De Niro	26	M
4	4	Kevin Spacey	30	M
5	6	Russell Crowe	28	M
6	8	Angelina Jolie	22	F
7	9	Kate Winslet	21	F
8	10	Charlize Theron	27	F

QUERY 1 FOR "< >"

QUERY 2 FOR "< >"

```
SQLQuery4.sql - lo...N89S8\Rutwik (63))* ⫟ ✕   SQLQuery3.sql - lo
    □use movieDB;

    □select * from movies
     where movie_genre <> 'Sci-Fi';
```

100 %   ▾   ◀

⊞ Results ▤ Messages

	movie_id	movie_name	movie_genre	movies_ID
1	4	Bahubali	Periodic	2
2	8	Romeo Juliet	Romantic	5
3	2	Mr.Bean	Comedy	6
4	9	Hello Baby	Rom-Com	7
5	10	Stuart Little	Animation	8
6	7	RadheSyam	Romantic	10

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

Logical Operator	Description
AND	Both the conditions mentioned in the WHERE clause should be TRUE.
OR	At least one of the conditions mentioned in the WHERE clause should be TRUE.
NOT	The mentioned condition should be false in the WHERE clause.
IN	Is used to search for specified value matches any value in set of multiple values.
BETWEEN	Is used to get values within a range.

QUERY 1 FOR AND

```sql
select actor_name, actor_age, actor_gender from actors
where actor_age>=25 and actor_gender='M'
```

10 %

Results | Messages

	actor_name	actor_age	actor_gender
1	Al Pacino	25	M
2	Robert De Niro	26	M
3	Kevin Spacey	30	M
4	Denzel Washington	32	M
5	Russell Crowe	28	M
6	Brad Pitt	31	M

QUERY 2 FOR AND

```sql
select movie_id,movie_name,movie_genre from movies
where movie_id=1 and movie_genre='Sci-Fi'
```

110 %

Results | Messages

	movie_id	movie_name	movie_genre
1	1	Pirates of carribean	Sci-Fi

QUERY 1 FOR OR

```
select actor_name, actor_age, actor_gender from actors
where actor_age>=25 or actor_gender='M'
```

110 %

Results | Messages

	actor_name	actor_age	actor_gender
1	Johnny Depp	23	M
2	Al Pacino	25	M
3	Robert De Niro	26	M
4	Kevin Spacey	30	M
5	Denzel Washington	32	M
6	Russell Crowe	28	M
7	Brad Pitt	31	M
8	Charlize Theron	27	F

QUERY 2 FOR OR

```
select actor_name, actor_age, actor_gender from actors
where actor_age>=24 or actor_gender='F'
```

110 %

Results | Messages

	actor_name	actor_age	actor_gender
1	Al Pacino	25	M
2	Robert De Niro	26	M
3	Kevin Spacey	30	M
4	Denzel Washington	32	M
5	Russell Crowe	28	M
6	Brad Pitt	31	M
7	Angelina Jolie	22	F
8	Kate Winslet	21	F
9	Charlize Theron	27	F

QUERY 1 FOR NOT

```
select actor_name, actor_age, actor_gender from actors
where not actor_gender='M'
```

110 %

Results | Messages

	actor_name	actor_age	actor_gender
1	Angelina Jolie	22	F
2	Kate Winslet	21	F
3	Charlize Theron	27	F

QUERY 2 FOR NOT

```
select actor_name, actor_age, actor_gender from actors
where not actor_gender='F'
```

110 %

Results | Messages

	actor_name	actor_age	actor_gender
1	Johnny Depp	23	M
2	Al Pacino	25	M
3	Robert De Niro	26	M
4	Kevin Spacey	30	M
5	Denzel Washington	32	M
6	Russell Crowe	28	M
7	Brad Pitt	31	M

QUERY 1 FOR IN

```
select actor_name, actor_age, actor_gender from actors
where actor_age in (31);
```

.0 %

Results | Messages

	actor_name	actor_age	actor_gender
1	Brad Pitt	31	M

QUERY 2 FOR IN

```
select actor_name, actor_age, actor_gender from actors
where actor_age in (22);
```

0 %

Results | Messages

	actor_name	actor_age	actor_gender
	Angelina Jolie	22	F

QUERY 1 FOR BETWEEN

```
select actor_name, actor_age, actor_gender from actors
where actor_age between 25 and 31;
```

.10 %

Results | Messages

	actor_name	actor_age	actor_gender
1	Al Pacino	25	M
2	Robert De Niro	26	M
3	Kevin Spacey	30	M
4	Russell Crowe	28	M
5	Brad Pitt	31	M
6	Charlize Theron	27	F

QUERY 2 FOR BETWEEN

```sql
select actor_name, actor_age, actor_gender from actors
where actor_age between 27 and 31;
```

110 %

	actor_name	actor_age	actor_gender
1	Kevin Spacey	30	M
2	Russell Crowe	28	M
3	Brad Pitt	31	M
4	Charlize Theron	27	F