DBT Problem Solving - Set - 002

***Consider the following relations***

***movie {mvno, mvname, releaseyear}***

***team {memberno membername, membertype}***

***movie\_team {id, mvno, memberno}***

**Given the above relations solve the following queries.**

1. Write SQL statement which count the number of movies in which 'Amitabh Bachchan' has acted.
2. Write the SQL statement to display the movie details having more than 5 members.
3. Write SQL statement to find all movies of "Amitabh Bachchan" starting with letter 'D'.
4. Write SQL statement to find all movies of "Amitabh Bachchan" that are released between the years 1978 and 1980.
5. Write SQL statement which displays actor wise list of movies along with release year & movie name.
6. Write SQL statement which displays producer name and number of movie did by this producer.
7. Write SQL statement to display all the team members of ‘SHAAN’ movie.
8. Write SQL statement to display the movie name and count how many members are working for each movie.
9. Write the query to display movie name, member name, and member type for the movie ‘Khel Khel Mein’
10. Write SQL statement which displays the member’s name who has worked with ‘Amitabh Bachchan’.
11. Write SQL statement which displays the member’s name that are actors and find in how many movies they have worked.
12. Write SQL statement that displays the movie name whose producer is ‘G. P. Sippy’
13. Write SQL query to display the movie details which was released in the year 1980.
14. Write SQL statement which displays the member names who are actress and has worked with ‘Amitabh Bachchan’.
15. Write SQL statement to count in how many movie ‘Amitabh Bachchan’ has worked.

Answers Set – 002:

1. Select count(\*) from movie, team, movie\_team where movie.mvno = movie\_team.mvno and team.memberno = movie\_team.memberno and membername ='Amitabh Bachchan';
2. Select movie.\* from movie, team, movie\_team where movie.mvno = movie\_team.mvno and team.memberno=movie\_team.memberno group by movie.mvno, movie.mvname, releaseyear having count(\*) > 5
3. Select movie.\* from movie, team, movie\_team where movie.mvno = movie\_team.mvno and team.memberno = movie\_team.memberno and membername ='Amitabh Bachchan' and mvname like 'D%';
4. Select movie.\* from movie, team, movie\_team where movie.mvno = movie\_team.mvno and team.memberno = movie\_team.memberno and membername ='Amitabh Bachchan' and releaseyear between 1978 and 1980;
5. Select mvname, membername, releaseyear from movie, team, movie\_team where movie.mvno = movie\_team.mvno and team.memberno = movie\_team.memberno order by membername;
6. Select membername, count(\*) from team, movie\_team where team.memberno = movie\_team.memberno and membertype='producer' group by membername;
7. Select membername from team, movie, movie\_team where movie.mvno = movie\_team.mvno and team.memberno = movie\_team.memberno and mvname = 'Sholay';
8. Select mvname, count(\*) from team, movie, movie\_team where movie.mvno = movie\_team.mvno and team.memberno = movie\_team.memberno group by mvname;
9. Select mvname, membername, memberType from team, movie, movie\_team where movie.mvno = movie\_team.mvno and team.memberno = movie\_team.memberno and mvname = 'khel khel mein';
10. Select distinct membername from team, movie\_team where team.memberno = movie\_team.memberno and movie\_team.mvno in (select mvno from team, movie\_team where team.memberno = movie\_team.memberno and membername = 'Amitabh Bachchan') and membername <> 'Amitabh Bachchan';
11. Select membername, count(\*) from team, movie\_team where team.memberno = movie\_team.memberno and membertype = 'actor' group by membername;
12. Select mvname from movie, team, movie\_team where movie.mvno = movie\_team.mvno and team.memberno = movie\_team.memberno and membertype = 'producer' and membername = 'G. P. Sippy';
13. Select \* from movie where releaseyear = 1980;
14. Select distinct membername from team, movie\_team where team.memberno = movie\_team.memberno and movie\_team.mvno in (select mvno from team, movie\_team where team.memberno = movie\_team.memberno and membername = 'Amitabh Bachchan') and membertype = 'actress';
15. Select count(\*) from team, movie\_team where team.memberno = movie\_team.memberno and team. Membername = 'Amitabh Bachchan';