**Task -3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1.Write a query to display the entire contents of the role table, sorted by name in ascending order.

select \* from role order by name;

2. Write a query to display the entire contents of the skill table, sorted by name in ascending order.

select \* from skill order by name;

3. Write a query to display the entire contents of the department table, sorted by name in descending order.

select \* from department order by name desc;

4. Write a query to display the entire contents of the post\_type table, sorted by name in descending order.

select \* from post\_type order by name desc;

5. Write a query to display all role names, sorted in ascending order.

select name from role order by name;

6. Write a query to display the names and descriptions of all skills, sorted by skill name.

select name, description from skill order by name;

7. Write a query to display the names of all departments, sorted in ascending order.

select name from department order by name;

8. Write a query to display the names of all post types, sorted in ascending order.

select name from post\_type order by name;

9. Write a query to display the names of all universities in which the alumni from this college have done or are doing their higher studies, sorted in ascending order.

select university\_name from higher\_degree where profile\_id in (select id from profile) order by university\_name;

10. Write a query to display all unique designations from the profile table sorted in ascending order.

select distinct designation from profile order by designation;

11. Write a query to display the batch details of all alumni who are currently project managers, sorted in ascending order.

select p.batch from profile p join experience e on p.id=e.profile\_id where p.designation='project manager' and e.current=1 order by p.batch;

12. Write a query to display all designations of Male students/alumni from the profile table sorted in ascending order.

select designation from profile where gender= 'male' order by designation;

13. Write a query to display all designations of Female students/alumni from batch 2008 from the profile table sorted in ascending order.

select designation from profile where gender= 'female' and batch ='2008' order by designation;

14. Write a query to display the address details of Male alumni from 2008 batch, sorted in ascending order based on address.

select address from profile where gender= 'male' and batch ='2008' order by address;

15. Write a query to display the names of companies in which the college alumni have been or are employees, sorted in ascending order based on name.

select company\_name from experience where profile\_id in (select id from profile) order by company\_name;

16. Write a query to display the names of companies in which the college alumni are employees at present, sorted in descending order based on name.

select company\_name from experience where current=1 and profile\_id in (select id from profile) order by company\_name desc;

17. Write a query to display the names and phone numbers of all users, sorted in descending order by name.

select name,phonenumber from user order by name desc;

18. Write a query to display the names, emailids and phone numbers of all users, sorted in ascending order by name.

select name,emailid,phonenumber from user order by name;

19. Write a query to display the user name and password of Ram.

select username,password from user where name= 'Ram';

20.Write a query to display the names and descriptions of projects with more than 10 members, sorted in ascending order by name.

select name,short\_description from project where number\_of\_members >10 order by name;

21. Write a query to display the names and descriptions of all events scheduled on 27th January, 2014, sorted in ascending order by name.

select name,description from event where date(date)= '2014-01-27' order by name;

22. Write a query to display the content of all posts, sorted in descending order by date.

select content from post order by date desc;

23. Write a query to display the content of all posts posted in January, 2014, sorted in descending order by date.

select content from post where month(date)=1 and year(date)=2014 order by date desc;

24. Write a query to display the contents of all queries posted in year 2013, sorted in descending order by date.

select content from query where year(date)=2014 order by date desc;

25. Write a query to display the names of all events scheduled in January, 2014 at 3 p.m, sorted by name in ascending

select name from event where year(date)= 2014 and month(year)=01 and time(year)= '15:00:00' order by name;

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**Task 4**

1.       Write a query to display the number of roles in the role table. Give an alias to the number of roles as role\_count.

select count(\*) as role\_count from role;

2.       Write a query to display the number of skills in the skill table. Give an alias to the number of skills as skill\_count.

select count(\*) as skill\_count from skill;

3.       Write a query to display the number of users who have not filled their profile yet. Give an alias to the number of users as user\_count.

select count(\*) as user\_count from user where profile\_id is null;

4.       Write a query to display the number of alumni from 2008 batch who have registered in the system. Give an alias as alumni\_2008\_count.

select count(\*) as alumni\_2008\_count from profile where batch='2008';

5.       Write a query to display the number of male alumni from 2008 batch who have registered in the system. Give an alias as alumni\_male\_2008\_count.

select count(\*) as alumni\_male\_2008\_count from profile where batch='2008' and gender='male';

6.       Write a query to display the batch name and the number of alumni from each batch who have registered in the system, sorted by batch name. Give an alias to the number of alumni from each batch as alumni\_count.

select batch, count(\*) as alumni\_count from profile group by batch;

7.       Write a query to display the batch name and the number of male alumni from each batch who have registered in the system,sorted by batch name. Give an alias to the number of male alumni from each batch as male\_alumni\_count.

select batch, count(\*) as male\_alumni\_count from profile where gender='male' group by batch;

8.       Write a query to display the batch name and the number of female alumni from each batch who have registered in the system, sorted by batch name. Give an alias to the number of female alumni from each batch as female\_alumni\_count.

select batch, count(\*) as female\_alumni\_count from profile where gender='female' group by batch;

9.       Write a query to display the number of unique designations in the profile table. Give an alias as designation\_count.

select count(distinct designation) as designation\_count from profile;

10.   Write a query to display the number of users who are currently working as 'Project Manager's. Give an alias as PM\_Count.

select count(id) as pm\_count from profile where designation='project manager';

11.   Write a query to display the batch of the seniormost alumni woking as 'Project Manager'. Give an alias as Senior\_PM\_Batch.

select min(batch) as senior\_pm\_batch from profile where designation='project manager';

12.   Write a query to display the batch of the juniormost alumni woking as 'Project Manager'. Give an alias as Junior\_PM\_Batch.

select max(batch) as junior\_pm\_batch from profile where designation='project manager';

13.   Write a query to display the designation and the number of users who are currently working in each designation, sorted by designation. Give an alias as designation\_count.

select designation, count(\*) as designation\_count from profile group by designation;

14.   Write a query to display the number of companies in which the college alumni are currently working in. Give an alias as company\_count.

select count(distinct company\_name) as company\_count from experience where current=1;

15.   Write a query to display the name of the company and the number of alumni who are currently working in each company. Give an alias to the number of alumni as alumni\_count.

select company\_name, count(\*) as alumni\_count from experience where current=1 and group by company\_name;

16.   Write a query to display the number of projects in which the team size is more than 10. Give an alias as project\_count.

select count(\*) as project\_count from project where number\_of\_members>10;

17.   Write a query to display the number of events that were scheduled for the year 2013. Give an alias as number\_of\_events.

select count(\*) as number\_of\_events from event where year(date)=2013;

18.   Write a query to display the year and the number of events scheduled in each year, sorted by year. Give an alias as number\_of\_events.

select year(date), count(\*) as number\_of\_events from event group by year(date);

19.   Write a query to display the number of posts posted in January 2014. Give an alias as number\_of\_posts.

select count(\*) as number\_of\_posts from post where year(date)=2014 and month(date)=1;

20.   Write a query to display the number of queries raised / answered between 1 a.m and 5 a.m (both inclusive). Give an alias as number\_of\_queries.

select count(\*) as number\_of\_queries from query where time(date) between '01:00:00' and '05:00:00';

21.   Write a query to display the number of events that were scheduled on 27th January, 2014. Give an alias as number\_of\_events.

select count(\*) as number\_of\_events from event where date(date)= '2014-01-27';

22.   Write a query to display the number of posts posted before 1st December, 2013. Give an alias as number\_of\_posts.

select count(\*) as number\_of\_posts from post where date(date)< '2013-12-01';

23.   Write a query to display the number of posts posted after 1st December, 2013. Give an alias as number\_of\_posts.

select count(\*) as number\_of\_posts from post where date(date)> '2013-12-01';

24.   Write a query to display the year and the number of events scheduled in each year, sorted by year. Give an alias as number\_of\_events.

select year(date), count(\*) as number\_of\_events from event group by year(date);

25.   Write a query to display the name of the month and the number of events scheduled in each month in the year 2013, sorted by month. Give an alias to the month name as month\_name and the to the number of events scheduled as number\_of\_events. Name of the month must be displayed as January, February.

select monthname(date) as month\_name, count(\*) as number\_of\_events from event where year(date)=2013 group by month(date);