Assignment-1 (Maneesh S Shetty)

1) Select employee details of dept number 10 or 30

select * from emp where DeptNo=10 or DeptNo=30;

EMPNO	ename	SAL	Hire_Date	Commission	DeptNo	Mgr
1002	Kapil	16500	1970-01-01	2300	10	1003
1004	Williams	9000	2001-01-01	NULL	30	1007
1005	John	5000	2005-01-01	NULL	30	1006
1006	Dravid	20900	1985-01-01	2400	10	1007

2) write a query to fetch all the dept details with more than 1 Employee.

select d.deptno, d.dname, d.loc from dept d join emp e on d.Deptno=e.deptno

group by d.Deptno having count(e.empno)>1;

deptno	dname	loc
10	Accounts	bangalore
20	IT	Delhi
30	Production	Chennai

3) Write a query to fetch employee details whose name starts with the letter “S”

select * from emp where ename like "s%";

EMPNO	ename	SAL	Hire_Date	Commission	DeptNo	Mgr
1001	Sachin	20900	1980-01-01	2100	20	1003
1003	Stefen	13200	1990-01-01	500	20	1007

4) Select Emp Details Whose experience is more than 2 years

select * from emp where TIMESTAMPDIFF(year, Hire_Date, current_date()) >= 2;

EMPNO	ename	SAL	Hire_Date	Commission	DeptNo	Mgr
1001	Sachin	20900	1980-01-01	2100	20	1003
1002	Kapil	16500	1970-01-01	2300	10	1003
1003	Stefen	13200	1990-01-01	500	20	1007
1004	Williams	9000	2001-01-01	NULL	30	1007
1005	John	5000	2005-01-01	NULL	30	1006
1006	Dravid	20900	1985-01-01	2400	10	1007
1007	Martin	23100	2000-01-01	1040	NULL	NULL

5) Write a SELECT statement to replace the char “a” with “#” in Employee Name (Ex: Sachin as S#chin)

select replace(ename,'a','#') as modified_name from emp;

modified_name
S#chin
K#pil
Stefen
Willi#ms
John
Dr#vid
M#rtin

6) Write a query to fetch employee name and his/her manager name.

select e.ename as employee_name ,m.ename as manage_name from emp e join emp m on e.mgr=m.empno;

employee_name	manage_name
Sachin	Stefen
Kapil	Stefen
Stefen	Martin
Williams	Martin
John	Dravid
Dravid	Martin

7) Fetch Dept Name , Total Salry of the Dept

select d.dname,sum(e.sal) as total_salary

from dept d left join emp e on d.Deptno=e.DeptNo

GROUP BY d.dname;

dname	total_salary
Accounts	37400
Admn	*NULL*
IT	34100
Production	14000
Sales	*NULL*

8) Write a query to fetch ALL the employee details along with department name, department location, irrespective of employee existance in the department.

select d.dname ,d.loc,e.* from dept d join emp e on d.Deptno=e.DeptNo

dname	loc	EMPNO	ename	SAL	Hire_Date	Commission	DeptNo	Mgr
IT	Delhi	1001	Sachin	20900	1980-01-01	2100	20	1003
Accounts	bangalore	1002	Kapil	16500	1970-01-01	2300	10	1003
IT	Delhi	1003	Stefen	13200	1990-01-01	500	20	1007
Production	Chennai	1004	Williams	9000	2001-01-01	*NULL*	30	1007
Production	Chennai	1005	John	5000	2005-01-01	*NULL*	30	1006
Accounts	bangalore	1006	Dravid	20900	1985-01-01	2400	10	1007

9) Write an update statement to increase the employee salary by 10 %
UPDATE emp set sal=sal+(sal*0.10);

EMPNO	ename	SAL	Hire_Date	Commission	DeptNo	Mgr
1001	Sachin	22990	1980-01-01	2100	20	1003
1002	Kapil	18150	1970-01-01	2300	10	1003
1003	Stefen	14520	1990-01-01	500	20	1007
1004	Williams	9900	2001-01-01	*NULL*	30	1007
1005	John	5500	2005-01-01	*NULL*	30	1006
1006	Dravid	22990	1985-01-01	2400	10	1007
1007	Martin	25410	2000-01-01	1040	*NULL*	*NULL*

10) Write a statement to delete employees belong to Chennai location.
delete from emp
where deptno in(select DeptNo from dept where loc="chennai");

✔ 2 rows deleted. (Query took 0.0035 seconds.)

11) Get Employee Name and gross salary (sal + comission) .
select ename, sal+Commission as gross_salary from emp;

ename	gross_salary
Sachin	25090
Kapil	20450
Stefen	15020
Dravid	25390
Martin	26450

12) Increase the data length of the column Ename of Emp table from 100 to 250 using ALTER statement
alter table emp MODIFY ename varchar(250);

✔ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0057 seconds.)

13) Write query to get current datetime
select CURRENT_TIMESTAMP;

CURRENT_TIMESTAMP
2026-01-14 12:32:41

14) Write a statement to create STUDENT table, with related 5 columns

```
create table student(id int primary key,
                     s_name varchar(225) not null,
                     dob date not null,
                     department varchar(225) not null)
```

Name	Type
id	int(11)
s_name	varchar(225)
dob	date
department	varchar(225)

15) Write a query to fetch number of employees in who is getting salary more than 10000

```
select count(empno) as employee_count from emp where sal>10000;
```

employee_count
5

16) Write a query to fetch minimum salary, maximum salary and average salary from emp table.

```
select min(sal) as minimum_salary ,max(sal) as maimum_salary ,AVG(sal) as average_salary from emp
```

minimum_salary	maimum_salary	average_salary
14520	25410	20812.0000

17) Write a query to fetch number of employees in each location

```
select d.loc ,count(e.empno) as count from dept d left join emp e on d.Deptno=e.deptno
group by d.loc;
select * from emp;
```

loc	count
bangalore	2
Chennai	0
Delhi	2
Hyd	0
London	0

18) Write a query to display emplyee names in descending order
select ename from emp order by ename DESC

ename ▼ 1
Stefen
Sachin
Martin
Kapil
Dravid

19) Write a statement to create a new table(EMP_BKP) from the existing EMP table
create table emp_bkp as SELECT* from emp;

EMPNO	ename	SAL	Hire_Date	Commission	DeptNo	Mgr
1001	Sachin	22990	1980-01-01	2100	20	1003
1002	Kapil	18150	1970-01-01	2300	10	1003
1003	Stefen	14520	1990-01-01	500	20	1007
1006	Dravid	22990	1985-01-01	2400	10	1007
1007	Martin	25410	2000-01-01	1040	*NULL*	*NULL*

20) Write a query to fetch first 3 characters from employee name appended with salary.
SELECT CONCAT(left(Ename, 3),'_' ,Sal) AS Name_Salary FROM Emp;

Name_Salary
Sac_22990
Kap_18150
Ste_14520
Dra_22990
Mar_25410