

ASSIGNMENT 1 (Kruthika K J)

1. Select employee details of dept number 10 or 30.

```
SELECT * from emp WHERE depno in (10,30) ORDER by depno;
```

	empno	ename	sal	hire_date	commission	depno	1	mgr_empno
<input type="checkbox"/>	1002	Kapil	15000	1970-01-01	2300	10	1003	
<input type="checkbox"/>	1006	Dravid	19000	1985-01-01	2400	10	1007	
<input type="checkbox"/>	1004	Williams	9000	2001-01-01	NULL	30	1007	
<input type="checkbox"/>	1005	John	5000	2005-01-01	NULL	30	1006	

- 2 Write a query to fetch all the dept details with more than 1 Employee.

```
SELECT d.depno,d.dname,d.loc, count(e.empno) as employee_count  
from dept d  
JOIN emp e  
ON d.depno=e.depno  
GROUP BY d.depno,d.dname,d.loc  
HAVING count(e.empno)>1;
```

depno	dname	loc	employee_count
10	Accounts	bangalore	2
20	IT	Delhi	2
30	Production	Chennai	2

- 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	depno	mgr_empno
<input type="checkbox"/>	1001	Sachin	19000	1980-01-01	2100	20	1003
<input type="checkbox"/>	1003	Stefen	12000	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_TIMESTAMP()) > 2;
```

	empno	ename	sal	hire_date	commission	depno	mgr_empno
<input type="checkbox"/>	1001	Sachin	19000	1980-01-01	2100	20	1003
<input type="checkbox"/>	1002	Kapil	15000	1970-01-01	2300	10	1003
<input type="checkbox"/>	1003	Stefen	12000	1990-01-01	500	20	1007
<input type="checkbox"/>	1004	Williams	9000	2001-01-01	NULL	30	1007
<input type="checkbox"/>	1005	John	5000	2005-01-01	NULL	30	1006
<input type="checkbox"/>	1006	Dravid	19000	1985-01-01	2400	10	1007
<input type="checkbox"/>	1007	Martin	21000	2000-01-01	1040	NULL	NULL

- 5 Write a SELECT statement to replace the char "a" with "#" in Employee Name.

```
select ename, REPLACE(ename, 'a','#') as modifide_name from emp;
```

	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	ename	modifide_name
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	Sachin	S#chin
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	Kapil	K#pil
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	Stefen	Stefen
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	Williams	Willi#ms
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	John	John
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	Dravid	Dr#vid
<input type="checkbox"/>	<input type="button" value="Edit"/>	<input type="button" value="Copy"/>	<input type="button" value="Delete"/>	Martin	M#rtin

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

```
select e.ename as employee_name ,m.ename as manager_name from emp e
left join emp m
on e.mgr_empno=m.empno;
```

employee_name	manager_name
Sachin	Stefen
Kapil	Stefen
Stefen	Martin
Williams	Martin
John	Dravid
Dravid	Martin
Martin	NULL

- 7 Fetch Dept Name , Total Salry of the Dept.

```
select d.depno, d.dname ,sum(sal) as total_sal from dept d
join emp e on d.depno=e.depno GROUP by d.depno,d.dname;
```

depno	dname	total_sal
10	Accounts	34000
20	IT	31000
30	Production	14000

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

```
select e.* ,d.dname,d.loc from emp e join dept d on e.depno=d.depno;
```

empno	ename	sal	hire_date	commission	depno	mgr_empno	dname	loc
1001	Sachin	19000	1980-01-01	2100	20	1003	IT	Delhi
1002	Kapil	15000	1970-01-01	2300	10	1003	Accounts	bangalore
1003	Stefen	12000	1990-01-01	500	20	1007	IT	Delhi
1004	Williams	9000	2001-01-01	NULL	30	1007	Production	Chennai
1005	John	5000	2005-01-01	NULL	30	1006	Production	Chennai
1006	Dravid	19000	1985-01-01	2400	10	1007	Accounts	bangalore

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	depno	mgr_empno
<input type="checkbox"/>	1001	Sachin	2782	1980-01-01	2100	20	1003
<input type="checkbox"/>	1002	Kapil	2197	1970-01-01	2300	10	1003
<input type="checkbox"/>	1003	Stefen	1757	1990-01-01	500	20	1007
<input type="checkbox"/>	1004	Williams	1318	2001-01-01	NULL	30	1007
<input type="checkbox"/>	1005	John	733	2005-01-01	NULL	30	1006
<input type="checkbox"/>	1006	Dravid	2782	1985-01-01	2400	10	1007
<input type="checkbox"/>	1007	Martin	3075	2000-01-01	1040	NULL	NULL

10 Write a statement to delete employees belong to Chennai location.

DELETE from emp WHERE

depno in(select depno from dept WHERE Loc="chennai")

	empno	ename	sal	hire_date	commission	depno	mgr_empno
<input type="checkbox"/>	1001	Sachin	2782	1980-01-01	2100	20	1003
<input type="checkbox"/>	1002	Kapil	2197	1970-01-01	2300	10	1003
<input type="checkbox"/>	1003	Stefen	1757	1990-01-01	500	20	1007
<input type="checkbox"/>	1006	Dravid	2782	1985-01-01	2400	10	1007
<input type="checkbox"/>	1007	Martin	3075	2000-01-01	1040	NULL	NULL

11 Get Employee Name and gross salary (sal + comission)

SELECT ename, sal+commission as gross_sal from emp;

ename	gross_sal
e Sachin	4882
e Kapil	4497
e Stefen	2257
e Dravid	5182
e Martin	4115

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 0.0056 seconds.)

13 Write query to get current datetime

SELECT Now() as current_datetime;

current_datetime

2026-01-14 12:29:49

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

```
CREATE TABLE student(sid int PRIMARY KEY, sname varchar(20), dob date, course varchar(20) NOT null)
```

#	Name	Type	Collation	Attributes	Null	Default	Comment
1	sid	int(11)			No	None	
2	sname	varchar(20)	utf8mb4_general_ci		Yes	NULL	
3	dob	date			Yes	NULL	
4	course	varchar(20)	utf8mb4_general_ci		No	None	

- 15 Write a query to fetch number of employees in who is getting salary more than 1000

```
SELECT COUNT(empno) as emp_count FROM emp WHERE sal>1000;
```

emp_count

5

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

```
SELECT min(sal) as min_sal, max(sal) as max_sal, AVG(sal) as avg_sal from emp;
```

min_sal	max_sal	avg_sal
1757	3075	2518.6000

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

```
SELECT d.loc ,count(e.empno) as emp_count from dept d left join emp e on d.depno=e.depno GROUP by d.loc;
```

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

- 18 Write a query to display employee 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;

#	Name	Type	Collation	Attributes	Null	Default	Comments
1	empno	int(11)		No	None		
2	ename	varchar(250)	utf8mb4_general_ci	Yes	NULL		
3	sal	int(11)		Yes	NULL		
4	hire_date	date		Yes	NULL		
5	commission	int(11)		Yes	NULL		
6	depno	int(11)		Yes	NULL		
7	mgr_empno	int(11)		Yes	NULL		

- 20 Write a query to fetch first 3 characters from employee name appended with salary.

[SELECT](#) empno,ename ,sal, concat([LEFT](#)(ename,3),'_',sal) as name_salary FROM emp;

name_salary

Sac_2782

Kap_2197

Ste_1757

Dra_2782

Mar_3075