

Nested Query

1) Display the details of employees who have a maximum salary in a table.

```
mysql> SELECT * FROM emp WHERE salary=(SELECT MAX(salary) from emp);
```

eno	ename	designation	salary	date_of_joining	email	city	phone_no
4	Mr.Raghav	Sr Manager	441000	2020-07-12	mrraghav@gmail.com	Satara	781981973

2) Display the details of employees who have a minimum salary but he/she belongs to pune or mumbai city and he/she name contains 'a' or 'i' character.

```
mysql> SELECT * FROM emp WHERE salary=(SELECT MIN(salary) FROM emp WHERE city IN('Pune','Mumbai') and ename LIKE '%a%' or ename LIKE '%i%');
```

eno	ename	designation	salary	date_of_joining	email	city	phone_no
6	Mr.Rohit	Manager	35000	2021-12-12	rohit45@gamil.com	Mumbai	718387902

3) Add deptname column in employee table

```
mysql> ALTER TABLE emp ADD COLUMN deptname varchar(100) default('Computer');
```

4) Update deptname column

```
mysql> update emp set deptname='statistics' where eno=2;
```

```
mysql> update emp set deptname='electronic' where eno=3;
```

```
mysql> update emp set deptname='mathematic' where eno=4;
```

5) display department wise details of employees.

```
mysql> SELECT deptname,ename FROM emp group by deptname,ename;
```

deptname	ename
Computer	Mr.Advait
statistics	Mr.Ram
electronic	Mr.Roy
mathematic	Mr.Raghav
Computer	Mr.Yash
Computer	Mr.Rohit

6) display the total salary of employees of each department.

```
mysql> select sum(salary),deptname from emp group by deptname;
```

sum(salary)	deptname
169535	Computer
42000	statistics
61000	electronic
441000	mathematic

7) Display average salary of employee of computer department

mysql> select avg(salary),deptname from emp group by deptname;

avg(salary)	deptname
56511.666666666664	Computer
42000	statistics
61000	electronic
441000	mathematic

8) Count the total number of employees of each department

mysql> select count(eno) as Total_Count,deptname from emp group by deptname;

Total_Count	deptname
3	Computer
1	statistics
1	electronic
1	mathematic

9) Display top 5 records of employee which are live in mumbai and salary<10000

mysql> select eno from emp where city='mumbai' and salary<10000 limit 5;

Empty set (0.00 sec)

10) display the employee details having minimum salary

mysql> select * from emp where salary=(select MIN(salary) from emp);

eno	ename	designation	salary	date_of_joining	email	city	phone_no	deptname
6	Mr.Rohit	Manager	33250	2021-12-12	rohit45@gamil.com	Mumbai	718387902	Computer

11) Display the name of department whose location is “Pune” and “Mr. Advait” is working in it.

mysql> select deptname as Department_Name from emp where city='pune' and ename='Mr.Advait';

Department_Name
Computer

12) Display the details of each employee whose designation is ‘Manager’.

mysql> select * from emp where designation='Manager';

eno	ename	designation	salary	date_of_joining	email	city	phone_no	deptname
3	Mr.Roy	Manager	61000	2020-07-12	mrsham3@gmail.com	Pune	829819720	electronic
6	Mr.Rohit	Manager	33250	2021-12-12	rohit45@gamil.com	Mumbai	718387902	Computer

13) Display the employee details city wise whose salary is greater than 5000.

mysql> select eno,ename,city from emp where salary>5000 group by eno,ename,city;

eno	ename	city
1	Mr.Advait	Pune
2	Mr.Ram	Solapur
3	Mr.Roy	Pune
4	Mr.Raghav	Satara
5	Mr.Yash	Pune
6	Mr.Rohit	Mumbai

14) Company has decided to decrease the salary by 15% for all the employees whose salary is between 10000 to 50000.

eno	ename	designation	salary	date_of_joining	email	city	phone_no	deptname
1	Mr.Advait	Sr. Assistant Manager	59535	2020-07-12	mradvait@gmail.com	Pune	909889877	Computer
2	Mr.Ram	CEO	42000	2020-07-12	ram123@gmail.com	Solapur	739849827	statistics
3	Mr.Roy	Manager	61000	2020-07-12	mrsham3@gmail.com	Pune	829819720	electronic
4	Mr.Raghav	Sr. Manager	441000	2020-07-12	mrraghav@gmail.com	Satara	781981973	mathematic
5	Mr.Yash	CEO	75000	2021-09-23	yash@gamil.com	Pune	788789901	Computer
6	Mr.Rohit	Manager	35000	2021-12-12	rohit45@gamil.com	Mumbai	718387902	Computer

mysql> update emp set salary=salary-(salary*0.05) WHERE salary Between 10000 and 50000;

eno	ename	designation	salary	date_of_joining	email	city	phone_no	deptname
1	Mr.Advait	Sr. Assistant Manager	59535	2020-07-12	mradvait@gmail.com	Pune	909889877	Computer
2	Mr.Ram	CEO	39900	2020-07-12	ram123@gmail.com	Solapur	739849827	statistics
3	Mr.Roy	Manager	61000	2020-07-12	mrsham3@gmail.com	Pune	829819720	electronic
4	Mr.Raghav	Sr Manager	441000	2020-07-12	mrraghav@gmail.com	Satara	781981973	mathematic
5	Mr.Yash	CEO	75000	2021-09-23	yash@gamil.com	Pune	788789901	Computer
6	Mr.Rohit	Manager	33250	2021-12-12	rohit45@gamil.com	Mumbai	718387902	Computer

15) Calculate & display id, name & annual salary of employee (use alise).

mysql> select eno,ename,salary*12 as annual_salary from emp;

eno	ename	annual_salary
1	Mr.Advait	714420
2	Mr.Ram	478800
3	Mr.Roy	732000
4	Mr.Raghav	5292000
5	Mr.Yash	900000
6	Mr.Rohit	399000