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	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

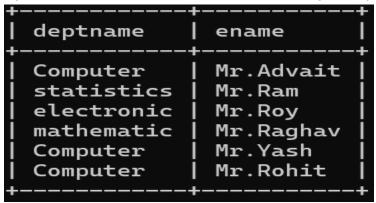
mysql> update emp set deptname='statistics' where eno=2;

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;



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

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

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

7) Display average salary of employee of computer department mysql> select avg(salary),deptname from emp group by deptname;

avg(salary)	deptname
56511.66666666664	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;

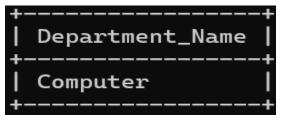
+ Total_Count 	++ deptname
3	Computer
1	statistics
1	electronic
1	mathematic

- 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';



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 6 Mr.Rohit	Manager Manager		2020-07-12 2021-12-12	mrsham3@gmail.com rohit45@gamil.com			

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;

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

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
2 Mr.Ram 3 Mr.Roy	Sr. Assistant Manager CEO Manager Sr Manager CEO Manager	42000 61000 441000 75000	2020-07-12 2020-07-12 2020-07-12 2020-07-12 2021-09-23 2021-12-12	mradvait@gmail.com ram123@gmail.com mrsham3@gmail.com mrraghav@gmail.com yash@gamil.com rohit45@gamil.com	Pune Solapur Pune Satara Pune Mumbai	909889877 739849827 829819720 781981973 788789901 718387902	Computer statistics electronic mathematic Computer 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
İ	1 2	Mr.Advait Mr.Ram	Sr. Assistant Manager CEO	59535 39900	2020-07-12 2020-07-12	mradvait@gmail.com ram123@gmail.com	Pune Solapur	909889877 739849827	Computer statistics
į	3	Mr.Roy	Manager	61000	2020-07-12	mrsham3@gmail.com	Pune	829819720	electronic
H		Mr.Raghav Mr.Yash	Sr Manager CEO	441000 75000	2020-07-12 2021-09-23	mrraghav@gmail.com yash@gamil.com	Satara Pune	781981973 788789901	mathematic Computer
ļ	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
+	+	++