

Create table Employee with following fields

Empno

Job

Salary

Ename

Deptno

Experience

Perform following queries

1 Add a column Experience to Employee table

2 Modify column width of Job field

3 Drop column Experience from Employee

Insert values into Employee and perform following queries

1 List records in Employee table order by Salary in ascending order

2 Display only those employees whose Deptno is 29

3 Display Deptno from Employee avoiding duplicates

4 Display all employee whose Job title starts with M

5 Find all employees who work in same job as Arjun

6 Find total number of employees in Employee table

7 Find minimum and maximum Salary of employees

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Main.sql

```
1 create table emp(empno int,job varchar(10),salary bigint,ename varchar(10),deptno int);
2 desc emp;
3
4
5
```

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Output Input Comments (1.57 sec)

Field	Type	Null	Key	Default	Extra
empno	int	YES		NULL	
job	varchar(20)	YES		NULL	
salary	bigint	YES		NULL	
ename	varchar(20)	YES		NULL	
deptno	int	YES		NULL	

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MySQL

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Main.sql

```
1 create table emp(empno int,job varchar(10),salary bigint,ename varchar(10),deptno int);
2 alter table emp add experience int;
3 desc emp;
4
5
```

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Output Input Comments (1.49 sec)

Field	Type	Null	Key	Default	Extra
empno	int	YES		NULL	
job	varchar(20)	YES		NULL	
salary	bigint	YES		NULL	
ename	varchar(20)	YES		NULL	
deptno	int	YES		NULL	
experience	int	YES		NULL	

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MySQL

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Main.sql

```

1 create table emp(empno int,job varchar(10),salary bigint,ename varchar(20),deptno int);
2 alter table emp add experience int;
3 alter table emp modify job varchar(50);
4 desc emp;
5
6

```

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Field	Type	Null	Key	Default	Extra
empno	int	YES		NULL	
job	varchar(50)	YES	YES	NULL	NULL
salary	bigint	YES		NULL	
ename	varchar(20)	YES		NULL	
deptno	int	YES		NULL	
experience	int	YES		NULL	

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Main.sql

```

1 create table emp(empno int,job varchar(20),salary bigint,ename varchar(20),deptno int);
2 alter table emp add experience int;
3 alter table emp modify job varchar(50);
4 alter table emp drop experience;
5 desc emp;
6
7

```

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Output Input Comments (1.53 sec)

Field	Type	Null	Key	Default	Extra
empno	int	YES		NULL	
job	varchar(50)	YES	YES	NULL	NULL
salary	bigint	YES		NULL	
ename	varchar(20)	YES		NULL	
deptno	int	YES		NULL	

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1 create table emp(empno int,job varchar(10),salary bigint,ename varchar(10),deptno int);
2 insert into emp(empno,job,salary,ename,deptno)values(1,'Plumber',20000,'Jose',29);
3 insert into emp(empno,job,salary,ename,deptno)values(2,'Manager',30000,'Divya',28);
4 insert into emp(empno,job,salary,ename,deptno)values(3,'Mechanic',25000,'Appu',27);
5 insert into emp(empno,job,salary,ename,deptno)values(4,'Plumber',15000,'Arjun',29);
6 select * from emp;

Save and Run

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Output Input Comments (1.49 sec)

empno	job	salary	ename	deptno
1	Plumber	20000	Jose	29
2	Manager	30000	Divya	28
3	Mechanic	25000	Appu	27
4	Plumber	15000	Arjun	29

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1 create table emp(empno int,job varchar(10),salary bigint,ename varchar(10),deptno int);
2 insert into emp(empno,job,salary,ename,deptno)values(1,'Plumber',20000,'Jose',29);
3 insert into emp(empno,job,salary,ename,deptno)values(2,'Manager',30000,'Divya',28);
4 insert into emp(empno,job,salary,ename,deptno)values(3,'Mechanic',25000,'Appu',27);
5 insert into emp(empno,job,salary,ename,deptno)values(4,'Plumber',15000,'Arjun',29);
6 select * from emp order by salary asc;

Save and Run

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Output Input Comments (1.52 sec)

empno	job	salary	ename	deptno
4	Plumber	15000	Arjun	29
1	Plumber	20000	Jose	29
3	Mechanic	25000	Appu	27
2	Manager	30000	Divya	28

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Main.sql

```
1 create table emp(empno int,job varchar(10),salary bigint,ename varchar(10),deptno int);
2 insert into emp(empno,job,salary,ename,deptno)values(1,'Plumber',20000,'Jose',29);
3 insert into emp(empno,job,salary,ename,deptno)values(2,'Manager',30000,'Olivia',28);
4 insert into emp(empno,job,salary,ename,deptno)values(3,'Mechanic',25000,'Arjun',27);
5 insert into emp(empno,job,salary,ename,deptno)values(4,'Plumber',15000,'Arjun',29);
6 select * from emp where deptno=29;
```

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Output Input Comments (1.53 sec)

empno	job	salary	ename	deptno
1	Plumber	20000	Jose	29
4	Plumber	15000	Arjun	29

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```
1 create table emp(empno int,job varchar(10),salary bigint,ename varchar(10),deptno int);
2 insert into emp(empno,job,salary,ename,deptno)values(1,'Plumber',20000,'Jose',29);
3 insert into emp(empno,job,salary,ename,deptno)values(2,'Manager',30000,'Olivia',28);
4 insert into emp(empno,job,salary,ename,deptno)values(3,'Mechanic',25000,'Arjun',27);
5 insert into emp(empno,job,salary,ename,deptno)values(4,'Plumber',15000,'Arjun',29);
6 select distinct deptno from emp;
```

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Output Input Comments (1.53 sec)

deptno
29
28
27

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Main.sql

```
1 create table emp(empno int, job varchar(10), salary bigint, ename varchar(10), deptno int);
2 insert into emp(empno, job, salary, ename, deptno) values(1, 'Plumber', 20000, 'Jose', 20);
3 insert into emp(empno, job, salary, ename, deptno) values(2, 'Manager', 30000, 'Divya', 20);
4 insert into emp(empno, job, salary, ename, deptno) values(3, 'Mechanic', 25000, 'Appu', 27);
5 insert into emp(empno, job, salary, ename, deptno) values(4, 'Plumber', 15000, 'Arjun', 20);
6 select * from emp where job like 'M%';
```

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Output Input Comments (1.49 sec)

empno	job	salary	ename	deptno
2	Manager	30000	Divya	28
3	Mechanic	25000	Appu	27

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```
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4 insert into emp(empno, job, salary, ename, deptno) values(3, 'Mechanic', 25000, 'Appu', 27);
5 insert into emp(empno, job, salary, ename, deptno) values(4, 'Plumber', 15000, 'Arjun', 20);
6 select ename from emp where job=(select job from emp where ename='Arjun');
```

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Output Input Comments (1.54 sec)

ename
Jose
Arjun

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MySQL Main.sql

```
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4 insert into emp(empno, job, salary, ename, deptno) values(3, 'Mechanic', 25000, 'Appu', 20);
5 insert into emp(empno, job, salary, ename, deptno) values(4, 'Plumber', 15000, 'Arjun', 20);
6 select count(empno) from emp;
```

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count(empno)
4

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```
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3 insert into emp(empno, job, salary, ename, deptno) values(2, 'Manager', 30000, 'Olivia', 20);
4 insert into emp(empno, job, salary, ename, deptno) values(3, 'Mechanic', 25000, 'Appu', 20);
5 insert into emp(empno, job, salary, ename, deptno) values(4, 'Plumber', 15000, 'Arjun', 20);
6 select salary from emp where salary > (select min(salary) from emp) union select salary from emp where salary < (select max(salary) from emp);
```

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Output Input Comments (1.51 sec)

salary
15000
30000

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