

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

```
mysql> use PCA;
Database changed
mysql> create table Employee(Empno int,Job varchar(50),Salary bigint,Ename varchar(50),Deptno int);
Query OK, 0 rows affected (2.26 sec)

mysql> desc Employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Empno | int  | YES  |     | NULL    |       |
| Job   | varchar(50) | YES  |     | NULL    |       |
| Salary | bigint | YES  |     | NULL    |       |
| Ename | varchar(50) | YES  |     | NULL    |       |
| Deptno | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
0 rows in set (0.32 sec)

mysql> alter table Employee add Experience int;
Query OK, 0 rows affected (0.90 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc Employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Empno | int  | YES  |     | NULL    |       |
| Job   | varchar(50) | YES  |     | NULL    |       |
| Salary | bigint | YES  |     | NULL    |       |
| Ename | varchar(50) | YES  |     | NULL    |       |
| Deptno | int  | YES  |     | NULL    |       |
| Experience | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
0 rows in set (0.10 sec)

mysql> alter table Employee modify Job varchar(60);
Query OK, 0 rows affected (0.73 sec)
Records: 0 Duplicates: 0 Warnings: 0
```

```
MySQL 8.0 Command Line Client

mysql> alter table Employee modify Job varchar(60);
Query OK, 0 rows affected (0.73 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc Employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Empno | int  | YES  |     | NULL    |       |
| Job   | varchar(60) | YES  |     | NULL    |       |
| Salary | bigint | YES  |     | NULL    |       |
| Ename | varchar(50) | YES  |     | NULL    |       |
| Deptno | int  | YES  |     | NULL    |       |
| Experience | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
0 rows in set (0.35 sec)

mysql> alter table Employee drop Experience;
Query OK, 0 rows affected (2.30 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc Employee;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Empno | int  | YES  |     | NULL    |       |
| Job   | varchar(60) | YES  |     | NULL    |       |
| Salary | bigint | YES  |     | NULL    |       |
| Ename | varchar(50) | YES  |     | NULL    |       |
| Deptno | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.05 sec)

mysql> insert into Employee(Empno,Job,Salary,Ename,Deptno)values(1,'Teacher',25000,'Anu',29);
Query OK, 1 row affected (0.22 sec)

mysql> insert into Employee(Empno,Job,Salary,Ename,Deptno)values(2,'Manager',30000,'Anoop',28);
Query OK, 1 row affected (0.12 sec)

mysql> insert into Employee(Empno,Job,Salary,Ename,Deptno)values(3,'Mechanic',20000,'Paul',27);
Query OK, 1 row affected (0.07 sec)

mysql> insert into Employee(Empno,Job,Salary,Ename,Deptno)values(4,'Teacher',25500,'Arjun',29);
Query OK, 1 row affected (0.23 sec)

mysql>
```

```
MySQL 8.0 Command Line Client
Query OK, 1 row affected (0.23 sec)

mysql> select * from Employee;
+-----+-----+-----+-----+-----+
| Empno | Job   | Salary | Ename | Deptno |
+-----+-----+-----+-----+-----+
| 1 | Teacher | 25000 | Anu   | 29 |
| 2 | Manager | 30000 | Anoop | 28 |
| 3 | Mechanic | 20000 | Paul  | 27 |
| 4 | Teacher | 25500 | Arjun | 29 |
+-----+-----+-----+-----+-----+
4 rows in set (0.01 sec)

mysql> select * from Employee order by Salary asc;
+-----+-----+-----+-----+-----+
| Empno | Job   | Salary | Ename | Deptno |
+-----+-----+-----+-----+-----+
| 3 | Mechanic | 20000 | Paul  | 27 |
| 1 | Teacher | 25000 | Anu   | 29 |
| 4 | Teacher | 25500 | Arjun | 29 |
| 2 | Manager | 30000 | Anoop | 28 |
+-----+-----+-----+-----+-----+
4 rows in set (0.13 sec)

mysql> select * from Employee where Deptno=29;
+-----+-----+-----+-----+-----+
| Empno | Job   | Salary | Ename | Deptno |
+-----+-----+-----+-----+-----+
| 1 | Teacher | 25000 | Anu   | 29 |
| 4 | Teacher | 25500 | Arjun | 29 |
+-----+-----+-----+-----+-----+
2 rows in set (0.01 sec)

mysql> select distinct Deptno from Employee;
+-----+
| Deptno |
+-----+
| 29 |
| 28 |
| 27 |
+-----+
3 rows in set (0.01 sec)

mysql>
```

```
MySQL 8.0 Command Line Client

mysql> select * from Employee where Job like 'MG';
+-----+
| Empno | Job      | Salary | Ename | Deptno |
+-----+
| 2     | Manager | 30000  | Anoop | 28     |
| 3     | Mechanic | 20000  | Paul  | 27     |
+-----+
2 rows in set (0.07 sec)

mysql> select Ename from Employee where Job=(select Job from Employee where Ename='Arjun');
+-----+
| Ename |
+-----+
| Anu   |
| Arjun |
+-----+
2 rows in set (0.18 sec)

mysql> select count(Empno) from Employee;
+-----+
| count(Empno) |
+-----+
| 4             |
+-----+
1 row in set (0.06 sec)

mysql> select Salary from Employee where Salary=(select min(Salary) from Employee)union select Salary from Employee where Salary=(select max(Salary) from Employee);
+-----+
| Salary |
+-----+
| 20000   |
| 30000   |
+-----+
2 rows in set (0.14 sec)

mysql>
```