

```
mysql> CREATE DATABASE CompanyDB;
Query OK, 1 row affected (0.02 sec)
```

```
mysql> USE CompanyDB;
Database changed
```

```
mysql> CREATE TABLE Department (
->     DeptID INTEGER PRIMARY KEY,
->     DeptName VARCHAR(50)
-> );
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> CREATE TABLE Employee (
->     EmpID INTEGER PRIMARY KEY,
->     EmpName VARCHAR(100),
->     Age INTEGER,
->     Salary DECIMAL(10, 2),
->     DeptID INTEGER,
->     JoinDate DATE,
->     FOREIGN KEY (DeptID) REFERENCES Department(DeptID)
-> );
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> INSERT INTO Department (DeptID, DeptName) VALUES
-> (1, 'HR'),
-> (2, 'Finance'),
-> (3, 'IT'),
-> (4, 'Marketing');
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

```
mysql> INSERT INTO Employee (EmpID, EmpName, Age, Salary, DeptID, JoinDate) VALUES
-> (101, 'Mahi', 30, 50000, 3, '2021-06-01'),
```

```
mysql> INSERT INTO Employee (EmpID, EmpName, Age, Salary, DeptID, JoinDate) VALUES
-> (101, 'Mahi', 30, 50000, 3, '2021-06-01'),
-> (102, 'Saru', 25, 45000, 2, '2022-01-15'),
-> (103, 'Sandeep', 35, 70000, 3, '2019-03-12'),
-> (104, 'Manoj', 28, 40000, 4, '2023-07-10'),
-> (105, 'Swetha', 32, 55000, 1, '2020-08-20');
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

```
mysql> SELECT * FROM Employee;
+-----+-----+-----+-----+-----+-----+
| EmpID | EmpName | Age | Salary | DeptID | JoinDate |
+-----+-----+-----+-----+-----+-----+
| 101 | Mahi | 30 | 50000.00 | 3 | 2021-06-01 |
| 102 | Saru | 25 | 45000.00 | 2 | 2022-01-15 |
| 103 | Sandeep | 35 | 70000.00 | 3 | 2019-03-12 |
| 104 | Manoj | 28 | 40000.00 | 4 | 2023-07-10 |
| 105 | Swetha | 32 | 55000.00 | 1 | 2020-08-20 |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> SELECT EmpName, Salary FROM Employee;
+-----+-----+
| EmpName | Salary |
+-----+-----+
| Mahi | 50000.00 |
| Saru | 45000.00 |
| Sandeep | 70000.00 |
| Manoj | 40000.00 |
| Swetha | 55000.00 |
+-----+-----+
5 rows in set (0.00 sec)
```



```
mysql> SELECT * FROM Employee
-> WHERE Salary > 45000;
```

EmpID	EmpName	Age	Salary	DeptID	JoinDate
101	Mahi	30	50000.00	3	2021-06-01
103	Sandeep	35	70000.00	3	2019-03-12
105	Swetha	32	55000.00	1	2020-08-20

3 rows in set (0.01 sec)

```
mysql> SELECT * FROM Employee
-> WHERE Age > 30 AND Salary < 60000;
```

EmpID	EmpName	Age	Salary	DeptID	JoinDate
105	Swetha	32	55000.00	1	2020-08-20

1 row in set (0.00 sec)

```
mysql> SELECT * FROM Employee
-> WHERE EmpName LIKE 'A%';
```

Empty set (0.01 sec)

```
mysql> SELECT * FROM Employee
-> WHERE Age > 30 AND Salary < 60000;
```

EmpID	EmpName	Age	Salary	DeptID	JoinDate
105	Swetha	32	55000.00	1	2020-08-20

1 row in set (0.00 sec)

```
mysql> SELECT * FROM Employee
-> WHERE EmpName LIKE 'S%';
```

EmpID	EmpName	Age	Salary	DeptID	JoinDate
102	Saru	25	45000.00	2	2022-01-15
103	Sandeep	35	70000.00	3	2019-03-12
105	Swetha	32	55000.00	1	2020-08-20

3 rows in set (0.00 sec)

```
mysql> SELECT * FROM Employee
-> WHERE Age BETWEEN 25 AND 32;
```

EmpID	EmpName	Age	Salary	DeptID	JoinDate
101	Mahi	30	50000.00	3	2021-06-01
102	Saru	25	45000.00	2	2022-01-15
104	Manoj	28	40000.00	4	2023-07-10
105	Swetha	32	55000.00	1	2020-08-20

4 rows in set (0.00 sec)

```
mysql>
mysql>
mysql> SELECT * FROM Employee
-> ORDER BY Salary DESC;
```

EmpID	EmpName	Age	Salary	DeptID	JoinDate
103	Sandeep	35	70000.00	3	2019-03-12
105	Swetha	32	55000.00	1	2020-08-20


```
mysql> SELECT * FROM Employee
-> ORDER BY Salary DESC;
```

EmpID	EmpName	Age	Salary	DeptID	JoinDate
103	Sandeep	35	70000.00	3	2019-03-12
105	Swetha	32	55000.00	1	2020-08-20
101	Mahi	30	50000.00	3	2021-06-01
102	Saru	25	45000.00	2	2022-01-15
104	Manoj	28	40000.00	4	2023-07-10

5 rows in set (0.00 sec)

```
mysql> SELECT * FROM Employee
-> ORDER BY Salary DESC
-> LIMIT 3;
```

EmpID	EmpName	Age	Salary	DeptID	JoinDate
103	Sandeep	35	70000.00	3	2019-03-12
105	Swetha	32	55000.00	1	2020-08-20
101	Mahi	30	50000.00	3	2021-06-01

3 rows in set (0.00 sec)

```
mysql> SELECT EmpName, DeptName, Salary
-> FROM Employee
-> JOIN Department ON Employee.DeptID = Department.DeptID;
```

EmpName	DeptName	Salary
Swetha	HR	55000.00
Saru	Finance	45000.00

EmpID	EmpName	Age	Salary	DeptID	JoinDate
103	Sandeep	35	70000.00	3	2019-03-12
105	Swetha	32	55000.00	1	2020-08-20
101	Mahi	30	50000.00	3	2021-06-01

3 rows in set (0.00 sec)

```
mysql> SELECT EmpName, DeptName, Salary
-> FROM Employee
-> JOIN Department ON Employee.DeptID = Department.DeptID;
```

EmpName	DeptName	Salary
Swetha	HR	55000.00
Saru	Finance	45000.00
Mahi	IT	50000.00
Sandeep	IT	70000.00
Manoj	Marketing	40000.00

5 rows in set (0.00 sec)

```
mysql> SELECT * FROM Employee
-> WHERE Age < 26 OR Salary > 60000;
```

EmpID	EmpName	Age	Salary	DeptID	JoinDate
102	Saru	25	45000.00	2	2022-01-15
103	Sandeep	35	70000.00	3	2019-03-12

2 rows in set (0.00 sec)

mysql> |