

```
mysql> SELECT UPPER(EmpFname) AS EmpName FROM Employeeinfo;
```

| EmpName |
|---------|
| SANJAY |
| ANANYA |
| ROHAN |
| SONIA |
| ANKIT |

```
+-----+  
5 rows in set (0.00 sec)
```

```
mysql> SELECT COUNT(*) AS NumberOfEmployees FROM Employeeinfo WHERE Department = 'HR';
```

| NumberOfEmployees |
|-------------------|
| 2 |

```
+-----+  
1 row in set (0.14 sec)
```

```
mysql> SELECT CURRENT_DATE AS CurrentDate;
```

| CurrentDate |
|-------------|
| 2023-07-29 |

```
+-----+  
1 row in set (0.02 sec)
```

```
mysql> SELECT SUBSTRING(EmpLname, 1, 4) AS FirstFourCharacters FROM Employeeinfo;
```

| FirstFourCharacters |
|---------------------|
| Mehr |
| Mish |
| Diwa |
| Kulk |
| Kapo |

```
+-----+  
5 rows in set (0.01 sec)
```

```
mysql> CREATE TABLE Empinfo AS SELECT * FROM Employeeinfo;
ERROR 1050 (42S01): Table 'empinfo' already exists
mysql> SELECT SUBSTRING_INDEX(Address, '(', 1) AS PlaceName FROM Employeeinfo;
```

```
+-----+
| PlaceName |
+-----+
| Hyderabad |
| Delhi      |
| Mumbai     |
| Hyderabad  |
| Delhi      |
+-----+
```

5 rows in set (0.00 sec)

```
mysql> CREATE TABLE Emp_Info AS SELECT * FROM Employeeinfo;
Query OK, 5 rows affected (0.20 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> Select * from Employeeinfo;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| Empid | EmpFname | EmpLname | Department | Project | Address          | DOB          | Gender |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1     | Sanjay   | Mehra    | HR          | P1      | Hyderabad(HYD)  | 1976-12-01   | M      |
| 2     | Ananya   | Mishra    | Admin       | P2      | Delhi(DEL)       | 1968-05-02   | F      |
| 3     | Rohan    | Diwan     | Account     | P3      | Mumbai(BOM)     | 1980-01-01   | M      |
| 4     | Sonia    | Kulkarni  | HR          | P1      | Hyderabad(HYD)  | 1992-05-02   | F      |
| 5     | Ankit    | Kapoor   | Admin       | P2      | Delhi(DEL)       | 1994-07-03   | M      |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> Select * from Emp_info;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+
| Empid | EmpFname | EmpLname | Department | Project | Address          | DOB          | Gender |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1     | Sanjay   | Mehra    | HR          | P1      | Hyderabad(HYD)  | 1976-12-01   | M      |
| 2     | Ananya   | Mishra    | Admin       | P2      | Delhi(DEL)       | 1968-05-02   | F      |
| 3     | Rohan    | Diwan     | Account     | P3      | Mumbai(BOM)     | 1980-01-01   | M      |
| 4     | Sonia    | Kulkarni  | HR          | P1      | Hyderabad(HYD)  | 1992-05-02   | F      |
| 5     | Ankit    | Kapoor   | Admin       | P2      | Delhi(DEL)       | 1994-07-03   | M      |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

5 rows in set (0.00 sec)

```
mysql> SELECT e.Empid, e.EmpFname, e.EmpLname, e.Department, e.Project, e.Address, e.DOB, e.Gender, p.EmpPosition, p.DateOfJoining, p.Salary
        FROM Employeeinfo e INNER JOIN EmployeePosition p ON e.Empid = p.Empid WHERE p.Salary BETWEEN 50000 AND 100000;
```

| Empid | EmpFname | EmpLname | Department | Project | Address | DOB | Gender | EmpPosition | DateOfJoining | Salary |
|-------|----------|----------|------------|---------|-------------|------------|--------|-------------|---------------|--------|
| 2 | Ananya | Mishra | Admin | P2 | Delhi(DEL) | 1968-05-02 | F | Executive | 2022-05-02 | 75000 |
| 3 | Rohan | Diwan | Account | P3 | Mumbai(BOM) | 1980-01-01 | M | Manager | 2022-05-01 | 90000 |
| 2 | Ananya | Mishra | Admin | P2 | Delhi(DEL) | 1968-05-02 | F | Lead | 2022-05-02 | 85000 |

3 rows in set (0.00 sec)

```
mysql> SELECT EmpFname FROM Employeeinfo WHERE EmpFname LIKE 'S%';
```

| EmpFname |
|----------|
| Sanjay |
| Sonia |

2 rows in set (0.06 sec)

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

| Empid | EmpPosition | DateOfJoining | Salary |
|-------|-------------|---------------|--------|
| 1 | Manager | 2022-05-01 | 500000 |
| 1 | Executive | 2022-05-01 | 300000 |
| 3 | Manager | 2022-05-01 | 90000 |

3 rows in set (0.08 sec)

```
mysql> SELECT CONCAT(EmpFname, ' ', EmpLname) AS FullName FROM Employeeinfo;
```

| FullName |
|----------------|
| Sanjay Mehra |
| Ananya Mishra |
| Rohan Diwan |
| Sonia Kulkarni |
| Ankit Kapoor |

5 rows in set (0.00 sec)

```
mysql> CREATE TABLE departments (  
->   department_id INT PRIMARY KEY,  
->   department_name VARCHAR(50) UNIQUE  
-> );  
Query OK, 0 rows affected (0.54 sec)  
  
mysql> insert into departments values(1,'IT');  
Query OK, 1 row affected (0.09 sec)  
  
mysql> insert into departments values(2,'HR');  
Query OK, 1 row affected (0.05 sec)  
  
mysql> insert into departments values(3,'Finance');  
Query OK, 1 row affected (0.09 sec)  
  
mysql> CREATE TABLE employees (  
->   employee_id INT PRIMARY KEY,  
->   name VARCHAR(50),  
->   department_id INT,  
->   FOREIGN KEY (department_id) REFERENCES departments(department_id)  
-> );  
Query OK, 0 rows affected (0.13 sec)  
  
mysql> insert into employees values(101,'Smith',1);  
Query OK, 1 row affected (0.08 sec)  
  
mysql> insert into employees values(102,'Jane',2);  
Query OK, 1 row affected (0.05 sec)  
  
mysql> insert into employees values(103,'Adams',1);  
Query OK, 1 row affected (0.05 sec)  
  
mysql> insert into employees values(104,'Sarah',3);  
Query OK, 1 row affected (0.13 sec)
```

```
mysql> CREATE TABLE project ( project_id INT PRIMARY KEY, project_name VARCHAR(100) UNIQUE, department_id INT,  
FOREIGN KEY (department_id) REFERENCES departments(department_id));  
Query OK, 0 rows affected (0.15 sec)  
  
mysql> insert into project values (201,'Web development',1);  
Query OK, 1 row affected (0.09 sec)  
  
mysql> insert into project values (202,'Employee Training',2);  
Query OK, 1 row affected (0.08 sec)  
  
mysql> insert into project values (203,'Financial Analysis',3);  
Query OK, 1 row affected (0.09 sec)  
  
mysql> insert into project values (204,'App Development',1);  
Query OK, 1 row affected (0.47 sec)  
  
mysql>
```

```
mysql> select * from employees;
```

| employee_id | name | department_id |
|-------------|-------|---------------|
| 101 | Smith | 1 |
| 102 | Jane | 2 |
| 103 | Adams | 1 |
| 104 | Sarah | 3 |

```
4 rows in set (0.00 sec)
```

```
mysql> select * from departments;
```

| department_id | department_name |
|---------------|-----------------|
| 3 | Finance |
| 2 | HR |
| 1 | IT |

```
3 rows in set (0.00 sec)
```

```
mysql> select * from project;
```

| project_id | project_name | department_id |
|------------|--------------------|---------------|
| 201 | Web development | 1 |
| 202 | Employee Training | 2 |
| 203 | Financial Analysis | 3 |
| 204 | App Development | 1 |

```
4 rows in set (0.00 sec)
```