/\* Roll no- SI41 NAME-PRERANA GAJARE DATE-10-01-2022 \*/

#SHOW DATABASE

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| class |

| information\_schema |

| mysql |

| performance\_schema |

| student |

| sys |

+--------------------+

6 rows in set (0.00 sec)

#CREATING THE DATABASE

mysql> create database employee;

Query OK, 1 row affected (0.01 sec)

#SHOW DATABASE

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| class |

| employee |

| information\_schema |

| mysql |

| performance\_schema |

| student |

| sys |

+--------------------+

7 rows in set (0.00 sec)

# TO USE EMPLOYEE DATABSE

mysql> use employee;

Database changed

# SELECT DATABASE

mysql> select database();

+------------+

| database() |

+------------+

| employee |

+------------+

1 row in set (0.00 sec)

#CREATING TABLE

mysql> create table employee(emp\_id int,name varchar(20),city varchar(10));

Query OK, 0 rows affected (0.01 sec)

# SHOW TABLE

mysql> show tables;

+--------------------+

| Tables\_in\_employee |

+--------------------+

| employee |

+--------------------+

1 row in set (0.00 sec)

mysql> desc employee; # describe structure of table

+--------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+-------------+------+-----+---------+-------+

| emp\_id | int | YES | | NULL | |

| name | varchar(20) | YES | | NULL | |

| city | varchar(10) | YES | | NULL | |

+--------+-------------+------+-----+---------+-------+

3 rows in set (0.00 sec)

# INSERT DATA INTO TABLE

mysql> insert into employee values(101,"Ashu","Pune");

Query OK, 1 row affected (0.00 sec)

# SELECT ALL ROWS AND COLUMNS

mysql> select \* from employee;

+--------+------+------+

| emp\_id | name | city |

+--------+------+------+

| 101 | Ashu | Pune |

+--------+------+------+

1 row in set (0.00 sec)

# INSERT DATA INTO TABLE

mysql> insert into employee values(103,"Cynthai","Mumbai"),(102,"Bhim","Pune"),(104,"Dev","Nashik");

Query OK, 3 rows affected (0.00 sec)

Records: 3 Duplicates: 0 Warnings: 0

# SELECT ALL ROWS AND COLUMNS

mysql> select \* from employee;

+--------+---------+--------+

| emp\_id | name | city |

+--------+---------+--------+

| 101 | Ashu | Pune |

| 103 | Cynthai | Mumbai |

| 102 | Bhim | Pune |

| 104 | Dev | Nashik |

+--------+---------+--------+

4 rows in set (0.00 sec)

# INSERT DATA FOR SPECIFIC COLUMNS

mysql> insert into employee(name,emp\_id) values ("Ellen",105);

Query OK, 1 row affected (0.00 sec)

# SELECT ALL ROWS AND COLUMNS

mysql> select \* from employee;

+--------+---------+--------+

| emp\_id | name | city |

+--------+---------+--------+

| 101 | Ashu | Pune |

| 103 | Cynthai | Mumbai |

| 102 | Bhim | Pune |

| 104 | Dev | Nashik |

| 105 | Ellen | NULL |

+--------+---------+--------+

5 rows in set (0.00 sec)

#UPDATE TUPLE USING UPDATE QUERY

mysql> update employee

-> set city="Mumbai"

-> where emp\_id=105;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

# SELECT ALL ROWS AND COLUMNS

mysql> select \* from employee;

+--------+---------+--------+

| emp\_id | name | city |

+--------+---------+--------+

| 101 | Ashu | Pune |

| 103 | Cynthai | Mumbai |

| 102 | Bhim | Pune |

| 104 | Dev | Nashik |

| 105 | Ellen | Mumbai |

+--------+---------+--------+

5 rows in set (0.00 sec)

# SELECT DATA FROM SPECIFIC COLUMNS

mysql> select emp\_id,name from employee;

+--------+---------+

| emp\_id | name |

+--------+---------+

| 101 | Ashu |

| 103 | Cynthai |

| 102 | Bhim |

| 104 | Dev |

| 105 | Ellen |

+--------+---------+

5 rows in set (0.00 sec)

# SELECT DATA FROM SPECIFIC ROWS BASED ON CONDITION

mysql> select \* from employee

-> where city="Pune";

+--------+------+------+

| emp\_id | name | city |

+--------+------+------+

| 101 | Ashu | Pune |

| 102 | Bhim | Pune |

+--------+------+------+

2 rows in set (0.00 sec)

# SELECT DATA FROM SPECIFIC ROWS AND COLUMNS

mysql> select emp\_id,name from employee

-> where name="Dev";

+--------+------+

| emp\_id | name |

+--------+------+

| 104 | Dev |

+--------+------+

1 row in set (0.00 sec)

# INSERT DATA INTO TABLE

mysql> insert into employee values(105,"Ellen","Mumbai"),(106,"Farina","Pune");

Query OK, 2 rows affected (0.00 sec)

Records: 2 Duplicates: 0 Warnings: 0

# SELECT ALL ROWS AND COLUMNS

mysql> select \* from employee;

+--------+---------+--------+

| emp\_id | name | city |

+--------+---------+--------+

| 101 | Ashu | Pune |

| 103 | Cynthai | Mumbai |

| 102 | Bhim | Pune |

| 104 | Dev | Nashik |

| 105 | Ellen | Mumbai |

| 105 | Ellen | Mumbai |

| 106 | Farina | Pune |

+--------+---------+--------+

7 rows in set (0.00 sec)

# SELECT DISTINCT TUPLES FROM TABLE

mysql> select distinct \* from employee;

+--------+---------+--------+

| emp\_id | name | city |

+--------+---------+--------+

| 101 | Ashu | Pune |

| 103 | Cynthai | Mumbai |

| 102 | Bhim | Pune |

| 104 | Dev | Nashik |

| 105 | Ellen | Mumbai |

| 106 | Farina | Pune |

+--------+---------+--------+

6 rows in set (0.00 sec)

# SELECT DISTINCT DATA BASED ON COLUMN

mysql> select distinct name from employee;

+---------+

| name |

+---------+

| Ashu |

| Cynthai |

| Bhim |

| Dev |

| Ellen |

| Farina |

+---------+

6 rows in set (0.00 sec)

# INSERT DATA INTO TABLE

mysql> insert into employee values(107,"dev","Nashik");

Query OK, 1 row affected (0.00 sec)

#SELECT DATA WHICH MATCHES DATA CASE

mysql> select \* from employee

-> where name=BINARY "dev";

+--------+------+--------+

| emp\_id | name | city |

+--------+------+--------+

| 107 | dev | Nashik |

+--------+------+--------+

1 row in set, 1 warning (0.00 sec)

#ORDER DATA IN ASCENDING ORDER

mysql> select \* from employee

-> order by name;

+--------+---------+--------+

| emp\_id | name | city |

+--------+---------+--------+

| 101 | Ashu | Pune |

| 102 | Bhim | Pune |

| 103 | Cynthai | Mumbai |

| 104 | Dev | Nashik |

| 107 | dev | Nashik |

| 105 | Ellen | Mumbai |

| 105 | Ellen | Mumbai |

| 106 | Farina | Pune |

+--------+---------+--------+

8 rows in set (0.00 sec)

#ORDER DATA IN DESCENDING ORDER

mysql> select \* from employee

-> order by name desc;

+--------+---------+--------+

| emp\_id | name | city |

+--------+---------+--------+

| 106 | Farina | Pune |

| 105 | Ellen | Mumbai |

| 105 | Ellen | Mumbai |

| 104 | Dev | Nashik |

| 107 | dev | Nashik |

| 103 | Cynthai | Mumbai |

| 102 | Bhim | Pune |

| 101 | Ashu | Pune |

+--------+---------+--------+

8 rows in set (0.00 sec)

#DELETE DATA FROM TABLE

mysql> delete from employee

-> where emp\_id=107;

Query OK, 1 row affected (0.00 sec)

# SELECT ALL ROWS AND COLUMNS

mysql> select \* from employee;

+--------+---------+--------+

| emp\_id | name | city |

+--------+---------+--------+

| 101 | Ashu | Pune |

| 103 | Cynthai | Mumbai |

| 102 | Bhim | Pune |

| 104 | Dev | Nashik |

| 105 | Ellen | Mumbai |

| 105 | Ellen | Mumbai |

| 106 | Farina | Pune |

+--------+---------+--------+

7 rows in set (0.00 sec)

# DELETE THE CURRENT TABLE AND CREATE THE COPY OF THE TABLE WITH SAME DESCRIPTION

mysql> truncate table employee;

Query OK, 0 rows affected (0.01 sec)

# SHOW TABLES

mysql> show tables;

+--------------------+

| Tables\_in\_employee |

+--------------------+

| employee |

+--------------------+

1 row in set (0.00 sec)

# DESCRIBE THE TABLE

mysql> desc employee;

+--------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------+-------------+------+-----+---------+-------+

| emp\_id | int | YES | | NULL | |

| name | varchar(20) | YES | | NULL | |

| city | varchar(10) | YES | | NULL | |

+--------+-------------+------+-----+---------+-------+

3 rows in set (0.00 sec)

# DELETE THE TABLE FROM DATABASE

mysql> drop table employee;

Query OK, 0 rows affected (0.01 sec)

#SHOW TABLES

mysql> show tables;

Empty set (0.00 sec)