***Day 17 task***

### ***Create a connection for DB and print the version using a python program***

**import** **mysql.connector**

mydb = mysql.connector.connect(

host="localhost",

user="root",

password="1234"

)

print(mydb)

***Output:-***

<mysql.connector.connection\_cext.CMySQLConnection object at 0x0000016A60164700>

**import** **sys**

cur = mydb.cursor()

cur.execute("SELECT VERSION()")

data = cur.fetchone()

print("DBMS Version :",str(data))

***Output:-***

DBMS Version : ('8.0.25',)

### ***Create a multiple tables & insert data in table***

dbse = mydb.cursor()

dbse.execute("CREATE DATABASE mydatabase")

dbse = mydb.cursor()

dbse.execute("SHOW DATABASES")

**for** entry **in** dbse:

print(entry)

Output:-

('information\_schema',)

('mydatabase',)

('mysql',)

('performance\_schema',)

('sakila',)

('sys',)

('world',)

mydb = mysql.connector.connect(

host="localhost",

user="root",

password="1234",

database="mydatabase"

)

dbse = mydb.cursor()

dbse.execute("CREATE TABLE customers (Employee\_name VARCHAR(255), Employee\_dep VARCHAR(255), Employee\_id VARCHAR(255))")

dbse.execute("SHOW TABLES")

dbse.execute("CREATE TABLE Office (emp\_name VARCHAR(255), Employee\_id VARCHAR(255) ,EMP\_ADDRESS VARCHAR(255))")

dbse.execute("CREATE TABLE Student(rollno INT(24) , STUD\_NAME VARCHAR(255) , MARK INT(3))")

dbse.execute("SHOW TABLES")

**for** value **in** dbse:

print(value)

***Output:-***

('customers',)

('office',)

('student',)

### ***Create a employee table and read all the employee name in the table using for loop***

mydb = mysql.connector.connect(

host="localhost",

user="root",

password="1234",

database="mydatabase"

)

mycursor = mydb.cursor()

mycursor.execute("CREATE TABLE Employee1 (id INT AUTO\_INCREMENT PRIMARY KEY, name VARCHAR(255), address VARCHAR(255))")

mycursor = mydb.cursor()

sql = "INSERT INTO Employee1 (id,name, address) VALUES (**%s**,**%s**,**%s**)"

val = [

('1','Rakesh', 'Mumbai 4'),

('2','Amit', ' surat 652'),

('3','Suresh', 'Ahemedabad 21'),

('4','Ramesh', 'Kasmir 345'),

('5','Jayesh', 'Vadodara 2'),

mycursor.executemany(sql, val)

mydb.commit()

print(mycursor.rowcount, "was inserted.")

mycursor = mydb.cursor()

mycursor.execute("SELECT \* FROM Employee1")

myresult = mycursor.fetchall()

**for** x **in** myresult:

print(x)

***Output:-***

('1','Rakesh', 'Mumbai 4'),

('2','Amit', ' surat 652'),

('3','Suresh', 'Ahemedabad 21'),

('4','Ramesh', 'Kasmir 345'),

('5','Jayesh', 'Vadodara 2'),

mycursor = mydb.cursor()

mycursor.execute("SELECT name FROM Employee1")

myresult = mycursor.fetchall()

**for** x **in** myresult:

print(x)

Output:-

Rakesh

Amit

Suresh

Ramesh

Jayesh