**Group A**

**Assignment No. 8**

**Problem Statement:**

**Write a program to implement MySQL/Oracle database connectivity with any front end language to implement Database navigation operations (add, delete, edit etc.)**

**Execution:**

mysql> Create database Onkar;

Query OK, 1 row affected (0.02 sec)

mysql> use Onkar

Database changed

mysql> create table Student(Roll\_no int, Name varchar(20), Mark int(5));

Query OK, 0 rows affected, 1 warning (0.02 sec)

* **Connect**

**Code:**

import mysql.connector as c

con = c.connect(host = 'localhost', user = 'root', password = '914206', database = 'Onkar')

if con.is\_connected():

print('mysql successfully connected')

else:

print('some connectivity issue')

**Output:**

PS E:\TE\DBMS\Practicals\DBMS\_A8> python connect.py

mysql successfully connected

* **Insert**

**Code:**

import mysql.connector as c

con = c.connect(host = 'localhost', user = 'root', password = '914206', database = 'Onkar')

cursor=con.cursor()

Roll\_no =int(input("Enter Student Rollno :"))

Name = input("Enter Student Name :")

Mark = int(input("Enter Student Marks :"))

query = " insert into Student values({}, '{}', {}) ".format(Roll\_no, Name, Mark)

cursor.execute(query)

con.commit()

print("Data inserted successfully")

**Output:**

PS E:\TE\DBMS\Practicals\DBMS\_A8> python insert.py

Enter Student Rollno :1

Enter Student Name :Aditya

Enter Student Marks :25

Data inserted successfully

PS E:\TE\DBMS\Practicals\DBMS\_A8> python insert.py

Enter Student Rollno :24

Enter Student Name :Sid

Enter Student Marks :28

Data inserted successfully

PS E:\TE\DBMS\Practicals\DBMS\_A8> python insert.py

Enter Student Rollno :52

Enter Student Name :Suraj

Enter Student Marks :17

Data inserted successfully

PS E:\TE\DBMS\Practicals\DBMS\_A8> python insert.py

Enter Student Rollno :54

Enter Student Name :Onkar

Enter Student Marks :13

Data inserted successfully

PS E:\TE\DBMS\Practicals\DBMS\_A8> python insert.py

Enter Student Rollno :65

Enter Student Name :Ashok

Enter Student Marks :19

Data inserted successfully

PS E:\TE\DBMS\Practicals\DBMS\_A8> python insert.py

Enter Student Rollno :67

Enter Student Name :Pratik

Enter Student Marks :23

Data inserted successfully

**MySQL Output:**

mysql> select \* from Student;

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

| Roll\_no | Name | Mark |

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

| 1 | Aditya | 25 |

| 24 | Sid | 28 |

| 52 | Suraj | 17 |

| 54 | Onkar | 13 |

| 65 | Ashok | 19 |

| 67 | Pratik | 23 |

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

6 rows in set (0.00 sec)

* **Update**

**Code:**

import mysql.connector as c

con = c.connect(host = 'localhost', user = 'root', password = '914206', database = 'Onkar')

cursor = con.cursor()

Mark = int(input(" Enter updated Marks :"))

Roll\_no =int(input(" Enter Student Rollno :"))

query = 'update Student set Mark = {} where Roll\_no = {}'.format(Mark, Roll\_no)

cursor.execute(query)

con.commit()

print("Successfully Updated Mark")

**Output:**

PS E:\TE\DBMS\Practicals\DBMS\_A8> python update.py

Enter updated Marks :15

Enter Student Rollno :54

Successfully Updated Mark

**MySQL Output:**

mysql> select \* from Student;

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

| Roll\_no | Name | Mark |

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

| 1 | Aditya | 25 |

| 24 | Sid | 28 |

| 52 | Suraj | 17 |

| 54 | Onkar | 15 |

| 65 | Ashok | 19 |

| 67 | Pratik | 23 |

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

6 rows in set (0.00 sec)

* **Delete**

**Code:**

import mysql.connector as c

con = c.connect(host = 'localhost', user = 'root', password = '914206', database = 'Onkar')

cursor = con.cursor()

Roll\_no = int(input("Enter Student Rollno :"))

query = 'delete from Student where Roll\_no = {}'.format(Roll\_no)

cursor.execute(query)

con.commit()

print("Successfully Delete Data")

**Output:**

PS E:\TE\DBMS\Practicals\DBMS\_A8> python delete.py

Enter Student Rollno :67

Successfully Delete Data

PS E:\TE\DBMS\Practicals\DBMS\_A8> python delete.py

Enter Student Rollno :24

Successfully Delete Data

**MySQL Output:**

mysql> select \* from Student;

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

| Roll\_no | Name | Mark |

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

| 1 | Aditya | 25 |

| 52 | Suraj | 17 |

| 54 | Onkar | 15 |

| 65 | Ashok | 19 |

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

4 rows in set (0.00 sec)