**Assignment 3 – MySQL Connection with Python**

pip install mysql-connector-python

**Solution Code**

import mysql.connector

# Step 1: Connect to MySQL

conn = mysql.connector.connect(

host="localhost",

user="root",

password="yourpassword",

database="school"

)

cursor = conn.cursor()

# Step 2: Create table

cursor.execute("""

CREATE TABLE IF NOT EXISTS students (

id INT PRIMARY KEY,

name VARCHAR(50),

age INT

)

""")

# Step 3: Insert records

cursor.execute("INSERT INTO students (id, name, age) VALUES (1, 'Alice', 20)")

cursor.execute("INSERT INTO students (id, name, age) VALUES (2, 'Bob', 22)")

conn.commit()

# Step 4: Select and display records

cursor.execute("SELECT \* FROM students")

records = cursor.fetchall()

print("\nStudent Records:")

for row in records:

print(row)

# Close connection

cursor.close()

conn.close()