• Introduction to SQLite3 and PyMySQL for database connectivity.

Ans:-

PyMySQL: A pure Python MySQL driver that allows you to connect to a MySQL database and perform SQL queries. psycopg2: A PostgreSQL database adapter that provides access to the PostgreSQL database server. sqlite3: A built-in Python library for working with SQLite databases.

import sqlite3

# Connect to a database (or create one if it doesn't exist)

conn = sqlite3.connect('example.db')

# Create a cursor object

cursor = conn.cursor()

# Create a table

cursor.execute('''CREATE TABLE IF NOT EXISTS users (id INTEGER PRIMARY KEY, name TEXT, age INTEGER)''')

# Insert a record

cursor.execute("INSERT INTO users (name, age) VALUES (?, ?)", ('Alice', 30))

# Commit the changes

conn.commit()

# Query the database

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

rows = cursor.fetchall()

# Print the results

for row in rows:

print(row)

# Close the connection

conn.close()