# GANPAT UNIVERSITY

**U. V. PATEL COLLEGE OF ENGINEERING B.Tech CE/IT Semester IV**

**2CEIT404: Python Programming**

**Practical-9: Python Database Connectivity**

1. Write a python code to establish connection with MySQL and create database demo\_data. Also display list of all the available database.
2. Write a python code to create below specified two tables ‘hospital\_details’ and ‘doctor\_details’ and insert values as mentioned below.

|  |  |  |
| --- | --- | --- |
| **hospital\_details** | | |
| **Hospital\_Id** | **Hospital\_Name** | **Bed\_count** |
| 1 | Janta | 200 |
| 2 | Zydus | 500 |
| 3 | Sal | 1000 |
| 4 | Stirling | 1500 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **doctor\_details** | | | | | |
| **Doctor\_Id** | **Doctor\_Name** | **Hospital\_Id** | **Speciality** | **Salary** | **Experienve** |
| 101 | Karan | 1 | Pediatric | 40000 | 0 |
| 102 | Naresh | 1 | Onchologist | 80000 | 5 |
| 103 | Hardik | 2 | Surgen | 60000 | 2 |
| 104 | Vishal | 2 | Homeopathy | 50000 | 1 |
| 105 | Jay | 3 | Aayurvedic | 40000 | 0 |
| 106 | Deep | 3 | Physeotherapist | 70000 | 4 |
| 107 | Divyesh | 4 | Pediatric | 55000 | 3 |
| 108 | Arjun | 4 | Scin | 55000 | 3 |

1. Write a python code to retrieve all the details of doctors.
2. Write a python code to retrieve all the doctors who are in Janta hospital.
3. Write a python code to update experience of doctors.
4. Write a python code to drop table ‘hospital\_details’.
5. Write a python code to create in memory database and table using sqlite database engine.
6. Establish connection with sqlite database engine and create above tables into database demo. Show demonstration of execute script to execute multiple queries at a time.