**Python Advance Topics – Course Content**

* Multitasking in Python
* Thread and Multithreading in Python
* Main Thread in Python
* Creating a Thread without using a Class in Python
* Set and Get Thread Name in Python
* Creating a Thread by creating Child Class to Thread Class in Python
* Thread Child Class with Constructor in Python
* Creating a Thread without Creating Child Class to Thread Class in Python
* Single Tasking using a Thread in Python
* Multitasking using Multiple Thread in Python
* Thread Race Condition in Python
* Thread Synchronization Lock in Python
* Thread Synchronization RLock in Python
* Thread Synchronization Semaphore and BoundedSemaphore in Python
* Thread Communication Event in Python
* Thread Communication Condition in Python
* Thread Communication Queue in Python
* Daemon Thread in Python
* What is File and File Handling in Python
* Text Mode and Binary Mode in Python
* Opening , Closing a File in Python
* Text File Modes and Binary File Modes in Python
* File Object Variables in Python
* Reading , Writing Data to File using write Method in Python
* tell and seek Method in Python
* with Statement in Python
* How to Download and Install MySQL and Python Connector
* How to Create Check and Close Database Connection in Python
* How to Create and Show Database in Python
* How to make Connection to Database in Python
* How to Create and Show Database Tables in Python
* How to Insert Data in Table in Python
* How to Delete Data from Table in Python
* How to Update Data in Table in Python
* How to Fetch Data from Table using fetchone Method in Python
* How to fetch Data from Table using fetchall Method in Python
* How to Fetch Data from Table using fetchmany Method
* How to Fetch Data from Table with WHERE Clause in Python
* Parameterized Query in Python
* How to Insert Data into Table Parameterized Query Tuple in Python
* Insert Data into Table using executemany Parameterized Query Tuple in Python
* Input from user into Table Parameterized Query Tuple in Python
* How to Insert Data into Table Parameterized Query Dictionary in Python
* Insert Data into Table using executemany Parameterized Query Dictionary in Python
* How to Delete Data from Table Parameterized Query in Python
* How to Update Data in Table Parameterized Query in Python
* Retrieve Single Row with WHERE Clause Parameterized Query Tuple in Python
* Retrieve Multiple Row with WHERE Clause Parameterized Query Tuple in Python
* Retrieve Single Row with WHERE Clause Parameterized Query Dictionary in Python
* Retrieve Multiple Row with WHERE Clause Parameterized Query Dictionary in Python
* Retrieve Multiple Row with WHERE Clause Parameterized Query Dictionary in Python
* Prepared Statement in Python
* Exception Handling and Builtin Exception in Python
* Assert Statement in Python
* User Defined Exception in Python
* Difference between Error and Exception in Python
* Difference between Error and Warning in Python