Assignment 1:

1. Develop an object oriented python program which reads details of athletes who ran a race from a file namely race.txt Name, Country, Seconds. Find the names of all athletes from India who ran the race in less than 20 secs.

2. How do we raise an exception and multiple exceptions in python? Illustrate with an example.

What is the output of the below Python code? Justify your answer.

try :

num = int(input(“Enter value:”))

except Error:

print(“Error”)

except Value:

print(“Value Error”)

print(“I handled the Error”)

3. Develop an object-oriented python program to implement the Complex number program which has a class that performs the following operations:

• Read a complex number

• Display a complex number.

• Add 2 complex numbers

Instantiate an object and perform the above operations.

Assignment 2

1.Which are the read and write methods of a file object? Explain with examples for each.

2. List the functions that can be used to write to a CSV file. Write a program to initialize a list and write the contents of this list to a csv file

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1. What is a cursor object and what is its significance? Explain with an example how to

(i)get a cursor object from the connection object (ii)execute a SELECT statement (iii)automatically close a cursor object

Develop python program to do following operations

* INSERT into EMPLOYEE table (“Ram”, empID = 101,salary = 1000) to columns( name, empID, salary )
* SELECT all rows with salary > 1000
* UPDATE salary of id 100 to 1500

Assignment 3

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What is the output of the below Python code? Justify your answer.

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