Python Advance Assignment 5

1.Explain super() in the context of inheritance.

ANS: At a fairly abstract level,*super()* provides the access to those methods of the super-class (parent class) which have been overridden in a sub-class (child class) that inherits from it. Consider the code example given below, here we have a class named `square` and an another class named `Cube` which inherits the class `Square`.

2.Describe the file-handling system.

Ans: Python too supports file handling and allows users to handle files i.e., to read and write files, along with many other file handling options, to operate on files. The concept of file handling has stretched over various other languages, but the implementation is either complicated or lengthy, but like other concepts of Python, this concept here is also easy and
short.

3.In Python, explain multiple inheritance.

Ans: Inheritance is the mechanism to achieve the re-usability of code as one class class(child class) can derive the properties of another class(parent class). It also provides transitivity ie. if class C inherits from P then all the sub-classes of C would also inherit from P.

Multiple Inheritance

When a class is derived from more than one base class it is called multiple Inheritance.The derived class inherits all the features of base case.

4.Write the MySQL query syntax for INSERT, UPDATE, and DROP.

ANS: Syntax

In MySQL INSERT INTO Statement syntax is:-

INSERT INTO table name(field1,field2,…..fieldN)

VALUES(value1,value2,…..valueN)

SYNTAX

In MySQL UPDATE statement syntax is:-

UPDATE table_name SET field1=new-value1, field2=new-value2

[WHERE clause]

SYNTAX

In MySQL DROP statement syntax is:-

DROP[TEMPORARY] TABLE[IF EXISTS] table name[,table_name][RESTRICT|CASCADE];

5.Describe MongoDB's features?

Ans: MongoDB is an open-source document-oriented database that is designed to store a large scale of data and also allows you to work with that data very efficiently. It is categorized under the NoSQL (Not only SQL) database because the storage and retrieval of data in the MongoDB are not in the form of tables.

iNeuron