Module – 4 (Advance python programming)

* What is File function in python? What is keywords to create and write file.

Ans:- The key function for working with files in python is the open() function.

The open() function takes two parameters; filename, and mode.

There are four different methods for opening a file:

“r” – Read – Default value. Opens a file for for reading, error if the file does not exist.

“a” – Append – Opens a file for appending, creates the file if it does not exist.

“w” – Write – Opens a file for writing, creates the file if it does not exist.

“x” – Create – Creates the specified file, returns an error if the file exists.

* Explain Exception handling? What is an Error in Python?

Ans :- When an error occurs, or exception as we call it, Python will normally stop and generate an error message. These exceptions can be handled using the try statement.

When Python encounters an error, it typically stops the program and displays an error message that indicates the type of error and the line number where the error occurred.

* What are oops concepts? Is multiple inheritance supported in java

Ans :- Abstraction, encapsulation, polymorphism, and inheritance are the four main theoretical principles of object oriented programming.

Inheritance is one of the core concepts of Object Oriented Programming. Multiple Inheritance is the process in which a subclass inherits more than one superclass. Java does not support multiple inheritance.

* What is Instantiation in terms of OOP terminology?

Ans :- In the OOP terminology, instantiation describes the processes of creating a new object for a class using a new keyword.

* What is used to check whether an object o is an instance of class A?

Ans :- The isinstance Python is an in-built function that is based on the concept of objects.

The isinstance() function checks whether an object is an instance of the class mentioned.