Module – 4 (Advance python programming)

- **01). What is file function in python? What is keywords to create and write file.**

The file function allows the makefile to write to or read from a file.

X – is for create the file

W or A – is for writing in the file

- **13). Explain Exception handling? What is an Error in Python?**

Exception handling is the process of responding to unwanted or unexpected events when a computer program runs. Exception handling deals with these events to avoid the program or system crashing, and without this process, exceptions would disrupt the normal operation of a program.

Errors are problems that occur in the program due to an illegal operation performed by the user or by the fault of a programmer, which halts the normal flow of the program. Errors are also termed bugs or faults. There are mainly two types of errors in python programming.

- **14). How many except statements can a try-except block have? Name Some built-in exception classes:**

You can have multiple try blocks in a program but only one except statement with each try block.

Arithmetic error, index error, key error

- **15). When will the else part of try-except-else be executed?**

The else part is executed when no exception occurs.

- **16). Can one block of except statements handle multiple exception?**

Yes, a single block of except statements in Python can handle multiple exceptions. This feature allows you to handle different types of exceptions using a single block of code.

- **17). When is the finally block executed?**

A finally block always executes, regardless of whether an exception is thrown. The following code example uses a try / catch block to catch an ArgumentOutOfRangeException. The Main method creates two arrays and attempts to copy one to the other.

- **18). What happens when, 1" == 1 is executed?**

we get a false

- **21). What are oops concepts? Is multiple inheritance supported in java**

Object-Oriented Programming, also known as OOPs concepts in python, is what lets us develop applications using an Object-Oriented approach. It does so by clubbing together similar or related behaviours and properties and converting them into objects

Java doesn't support multiple inheritances in classes

- **27). What is Instantiation in terms of OOP terminology?**

Instantiation refers to creating an object/instance for a class.

- **28). What is used to check whether an object o is an instance of class A?**

Python isinstance()

The isinstance() function checks if the object (first argument) is an instance or subclass of classinfo class (second argument).

- **29). What relationship is appropriate for Course and Faculty?**

A faculty is teaching many different subjects to many students from many different classes.

Ex. = A teacher is teaching a subject to a class but that same teacher is teaching another subject to another class.

- **30). What relationship is appropriate for Student and Person?**

The term "Student" and "Person" are quite broad, and the appropriate relationship between them depends entirely on the specific context like Student-teacher, Student-Friend, Student-Family member.