**Input-Output**

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

Python has a built in open() function which is used to create , open , read , write and handle the files as per requirement.

Keyword used to create file :

Syntax : open(“file\_name”,”x”)

X= create new file

Keyword used to write file :

Syntax : open(“file\_name”,”w”)

W= write file

**Exception Handling**

1. Explain Exception handling? What is an Error in Python?

Exceptions handling in Python is very similar to Java. But whereas in Java exceptions are caught by catch clauses, we have statements introduced by an "except" keyword in Python.

There are mainly three types of error in python :

1. Syntax error
2. Exceptions
3. Logical error
4. How many except statements can a try-except block have? Name Some built-in exception classes.

There has to be at least 1 except statement.

Built in exception classes are as follows :

1. Exception
2. EOF (End Of File) Error
3. Floating Point Error
4. Generator Exit
5. When will the else part of try-except-else be executed?

The else part will be executed of try-except-else when no exception occurs in program.

1. Can one block of except statements handle multiple exception?

Each type of exception can be specified directly. There is no need to put it in a list.

1. When is the finally block executed?

When in a program exception occurs program skips exception part and after that finally block is being executed.

1. What happens when „1‟ == 1 is executed?

When ‘1’ == 1 is executed it simply evaluates to false and does not raise any exception.

1. How Do You Handle Exceptions With Try/Except/Finally In Python? exaplin with coding snippets

In Python, exceptions can be handled using a try statement. The critical operation which

can raise an exception is placed inside the try clause. The code that handles the

exceptions is written in the except clause. We can thus choose what operations to

perform once we have caught the exception.

**OOPs Concept**

1. what are oops concepts? is multiple inheritance supported in java

OOPs concepts are as follows :

1. Class
2. Object
3. Inheritance ( single , multiple , multilevel )
4. Instance
5. Encapsulation
6. Polymorphism ( method overloading , method overriding)

Yes , java supports multiple inheritance.

1. What is Instantiation in terms of OOP terminology?

Instantiation in terms of OOP terminology is known as instance. It is an object that belongs to the class. When we don’t create object of a class we can also run it through instance.

1. What is used To check whether an object o is an instance of class A?

isInstance() function is used to check weather an object o is an instance of class a or not.

1. Which function overloads the + operator? Which operator is overloaded by \_\_invert\_\_ ()?

+ operator can be overloaded by int () and string (). ~ operator is used to overload \_\_invert\_\_ ().

1. Which function overloads the >> operator?

\_\_rshift\_\_() overloads the >> operator.

**Regular Expression**

1. Does Python support strongly for regular expressions? What are the other languages that support strongly for regular expressions?

Yes python supports regular expression strongly.

Other languages that support regular expression strongly are :

1. Java
2. JavaScript
3. PHP
4. .NET