Modual-3

Q1. What is File function in python? What is keywords to create and write file.

1. **open()**: This function is used to open a file.
   * **Syntax**: file = open('filename', mode)
     + filename: The name of the file.
     + mode: The mode in which to open the file (e.g., read, write, append).

**File Modes:**

* 'r': Open a file for reading (default).
* 'w': Open a file for writing (creates a new file if it doesn’t exist or truncates the file if it exists).
* 'a': Open a file for appending (adds content to the end of the file without truncating it).
* 'x': Create a new file and open it for writing (fails if the file exists)

Q.13What is Exception Handling in Python?

Ans-> Exception handling in Python is a process of resolving errors that occur in a program.This involves catching exceptions,

understanding what caused them, and then responding accordingly. Exceptions are errors that occur at runtime when the

program is being executed.

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

Ans->

You can have multiple try blocks in a program but only one except

statements with each try block.

Ans-> Exception

base exception

indexerror

keyerror

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

Ans-> if the code inside the try block doesn't raise an exception the else block executes.

Q.16 Can one block of except statements handle multiple exception?

Ans-> Yes, you can handle multiple execution in a single except block in python.

try:

result=10/0

except(zerodivisionError, ValueError) as e:

print("An error occured:",e)

Q.17 When is the finally block executed?

Ans->

A finally block always executes, regardless of wheather an exception is thrown.

ex.

try:

# you code that might eaise exceptions

except Some exception:

finally

code to execute regardless of exceptions