

Question 3 - What is exception handling in Python defined in details?

Answer :- An exception can be defined as an unusual condition in a program resulting in the flow of the program.

Whenever an exception occurs, the program stops the executions, thus the further code is not executed. Therefore, an exception is the run-time errors that are unable to handle to python scripts. An exception is a python object that represent an error.

Python provides a way to handle the exception so that the code can be executed without any interrupt. If we do not handle the exception, the interpreter doesn't execute all the code that exists after the exception.

Python has many built-in exceptions that enable our program to run without interruption and give the output. These exceptions are given below :-

Common exceptions:

1. Zero division error: Occurs when a number is divided by 0
2. Name error: Occurs when a no. is not bound
3. Identification error: If incorrect identification is given
4. IO error: It occurs when input output operation fails
5. EOF error: It occurs when the end of the file reached, and yet operations are being performed.