

## SECTION - 8

3  
Ans

Exception Handling! - This would be covered in this tutorial. Here is a list Python provides two very important ~~to~~ program's instructions, in general when a Python script encountered a situation that it cannot cope with it raises an exception an exception is a Python object that represents an error.

Various list of exception :-

- 1) Exception :- Base class of all exceptions.
- 2) StopIteration :- Raised when the next method of an iterator does not point to any object.
- 3) SystemExit :- Raised by the sys.exit() function.
- 4) ArithmeticError :- Base class for all errors that occur for numeric calculation.
- 5) OverflowError :- Raised when a calculation exceeds maximum limit for a numeric type.

- 6) **Assertion Error**:- Raised in case of failure of the `assert` statement.
- 7) **Import Error**:- Raised when an import statement fails.
- 8) **Lookup Error**:- Base class for all lookup errors.
- 10) **Index Error**:- Raised when an index is not found in a sequence.
- 11) **Key Error**:- Raised when the specified key is not found in the dictionary.
- 12) **Type Error**:- Raised when an operation function is attempted that is invalid for the specified data type.