

Exception Handling:

Errors : An error is a serious issue that occurs during the execution of a program and is typically not recoverable.

Exception : Is an event that disrupts the normal flow of execution but can be handled gracefully.

Exception handling : Is a programming technique that is used to gracefully manage unexpected errors that occur during the execution of a program, without crashing the entire application.

Ex :

- 1) SyntaxError
- 2) NameError
- 3) ValueError
- 4) IndentationError
- 5) TypeError
- 6) ZeroDivisionError
- 7) IndexError
- 8) KeyError
- 9) FileNotFoundError

```
try:
    ans = 8//0
except ZeroDivisionError:
    print("Cannot divide by zero")
```

```
ls = [1, 2, 3]
```

```
try:
    print(ls[99])
except IndexError:
    print("Index Out of range")
finally:
    print("Calculation is done")
```