Aim: Write python programs to implement different exceptions in Python

1. Write a python program to catch following exceptions:
   a. IndexError
   b. TypeError
   c. ZeroDivisionError
   d. IOError
   e. AssertionError

2. Write a python program to raise user defined exception DefaulterError when the attendance **and** marks of a student both are less than 75.

Guidelines:

Take input for number of students in 'n'.

Create 'n' number of students having attributes name, marks and attendance.

Hint:

Create class Student with the above mentioned attributes and a method find_defaulter().

Raise DefaulterError exception in this method if the condition for defaulting is true. (Write appropriate condition)

Objective of the Experiment:

1. Understanding built-in as well as user defined exceptions in python.

Source code for the implementation:

(Write only important functions)

Post Labs:

1. What is exception? Explain with examples.
2. What is finally block? What is syntax for try….finally block?
3. Draw and explain Exception hierarchy diagram in python.