

Ramaiah Institute of Technology  
(Autonomous Institute, Affiliated to VTU)  
**Department of Computer Science & Engineering**

**Python Programming Laboratory (CSL48)**

USN:

Week #: 07

Semester:

Section:

Date:

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**Instructions:**

- Implement the following programs using python language.

**Programs:**

1. Develop a python program to demonstrate handling of following exceptions using try and except.
  - NameError
  - IndexError
  - KeyError
  - ZeroDivisionError
2. Develop a python program to demonstrate handling multiple exceptions using try, except, else and finally block statements.
3. Develop a python program to read 5 integer values from the keyboard. Display the sum and average of these numbers. If the user enters any other value, then raise the ValueError exception. Display appropriate messages.
4. Develop a python program to read the age of a person and display if he is eligible to vote or not. Raise the exception when the age range is less than 1 and greater than 150.
5. Write an interactive program to compute the square root of a number. The input values must be tested for validity. If it is negative, the user defined method MySqrt() should raise an exception.
6. Write a program to simulate saving account processing in a bank using constructors. Create Deposit and Withdraw with other member function and Check for Validation while withdrawing the amount. Raise the appropriate exceptions when depositing and withdrawing an incorrect amount. Display appropriate messages.

<b>EVALUATION</b>			
<b>Program</b>	<b>Remarks</b>	<b>Marks</b>	<b>Faculty Signature</b>
<b>Program - 1</b>			
<b>Program – 2</b>			
<b>Program – 3</b>			
<b>Program – 4</b>			
<b>Program – 5</b>			
<b>Program – 6</b>			