

C.U. SHAH INSTITUTE OF COMPUTER APPLICATION
CC – 305 PYTHON PROGRAMMING PRACTICAL
ASSIGNMENT – 1

Given Date: 01/07/2022

Submission Date: 15/07/2022

By: Dipti Bhatt

1. Write a program to swap two numbers without taking a temporary variable.
2. Write a program to display sum of two complex numbers.
3. Create a sequence of numbers using range datatype to display 1 to 30, with an increment of 2.
4. Write a program to find out and display the common and the non-common elements in the list using membership operators.
5. Write a program that evaluates an expression given by the user at run time using eval () function. Example: Enter and expression: 10+8-9*2-(10*2)
Result: -20
6. Write a menu driven python program which perform the following:
 - Find area of circle
 - Find area of triangle
 - Find area of square and rectangle
 - Find Simple Interest

7. Write a program to search an element in the list using for loop and also demonstrate the use of “else” with for loop.
8. Write a python program to find the sum of even numbers using command line arguments.
9. Write a program to assert the user enters a number greater than zero.
10. Write a python program that asks the user to enter a length in centimetres. If the user enters a negative length, the program should tell the user that the entry is invalid. Otherwise, the program should convert the length to inches and print out the result. ($2.54 = 1$ inch).
