

**General Instructions:**

- Assignment should be submitted online in MS Teams.
- Assignments will be evaluated by the instructor and/or TAs.
- Proper documentation and coding style are necessary (carry marks).
- With programs, showing sample inputs and outputs is mandatory.
- Copying is strictly prohibited. Any case of copying will automatically result in Fail for the whole course, irrespective of your performance in the other parts of the lab.
- Late submission will not be evaluated.

**Assignment Set 2:**Marks distribution: 10+10+20+30+30Dated on the 08<sup>th</sup> December 2021

- Write a Python program to get the difference between a given number and 17, if the number is greater than 17 return double the absolute difference.
- Write a Python program to calculate the sum of three given numbers, if the values are equal then return three times of their sum.
- Write a python program to input any character and check whether it is alphabet, digit or special character. If it is an alphabet or special character, show the ASCII value for it.
- Write a python program to find whether a given year is leap or not.
- Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5, between 2000 and 3200 (both included).

The numbers obtained should be printed in a comma-separated sequence on a single line.

**Hint:** You may consider use range(#begin, #end) method.