CSE 115L: Programming Language I Lab (Section: 06)
Spring 2020
Lab Week-04 Tasks

---

1. Write functions called **getBase( )**, **getHeight( )**, **getAreaTriangle(float base, float height)**.

   getBase( ): takes input a base in cm and returns it
   getHeight( ): takes input a height in cm and returns it
   getAreaTriangle(float base, float height): Calculates area using formula ½ * base * height and returns it

Sample input	Sample output
Enter base: 2.0 Enter height: 4.0	The base is: 2.0 cm and height is: 4.0 cm The area of the triangle is : 4.0

2. Write a function called **getNum(), getSquare(int n) , getCube(int l)**. User will input the number and you have to display the square and cube of that number.

Sample input	Sample output
Enter number: 2	The square of the number is: 4 The cube of the number is: 8

3. Write a program to check and output whether a char input is digit, uppercase letter or lowercase letter. Use the following information:
   - Digit: 0-9: ASCII value (48-57)
   - Uppercase alphabet: A-Z: ASCII value (65-90)
   - Lowercase alphabet: a-z: ASCII value (97-122)

4. Write a program that take an integer input from user and write a function that checks the following conditions:
   - If the number is divisible by both 2 and 3 : Print "Divisible by both"
   - If the number is divisible by either 2 or 3 : Print "Divisible by 2 or 3"
   - If none of the above conditions is true, print "Not divisible by 2 or 3"