**PYTHON ACTIVITY 7:**

1)Write a Python program to get the first and last second.

2)Write a Python program to convert a string into datetime

3)Define a Python function student(). Using function attributes display the names of all arguments.

4)Write a simple Python class named Student and display its type. Also, display the \_\_dict\_\_ attribute keys and the value of the \_\_module\_\_ attribute of the Student class.

5)Write a Python class named Student with two attributes student\_id, student\_name. Add a new attribute student\_class. Create a function to display the entire attribute and their values in Student class.

6) Write a Python class to find the three elements that sum to zero from a set of n real numbers.

7)Write a Python program to calculate the area of a parallelogram.   
Note : A parallelogram is a quadrilateral with opposite sides parallel (and therefore opposite angles equal). A quadrilateral with equal sides is called a rhombus, and a parallelogram whose angles are all right angles is called a rectangle.  
Test Data:  
Length of base : 5  
Height of parallelogram : 6  
Expected Output: Area is : 30.0

8)Write a Python program to calculate surface volume and area of a sphere.   
Note: A sphere is a perfectly round geometrical object in three-dimensional space that is the surface of a completely round ball.  
Test Data:  
Radius of sphere : .75  
Expected Output :  
Surface Area is : 7.071428571428571  
Volume is : 1.7678571428571428

9)Write a Python program to calculate wind chill index.

Expected Output :

Input wind speed in kilometers/hour: 150

Input air temperature in degrees Celsius: 29

The wind chill index is 31

10)Write a Python program to find the roots of a quadratic function.

Expected Output :

Quadratic function : (a \* x^2) + b\*x + c

a: 25

b: 64

c: 36

There are 2 roots: -0.834579 and -1.725421