UNITED INTERNATIONAL UNIVERSITY (UIU)

Dept. of Computer Science & Engineering

Trimester: Summer 2022

Course No: CSE 4495 Title: Software Quality Assurance and Testing

Section: A Class Test-3

Time: 30 minutes **Marks: 20**

Name		**ID**	

1. You are testing the following method: **[6+6 =12]**

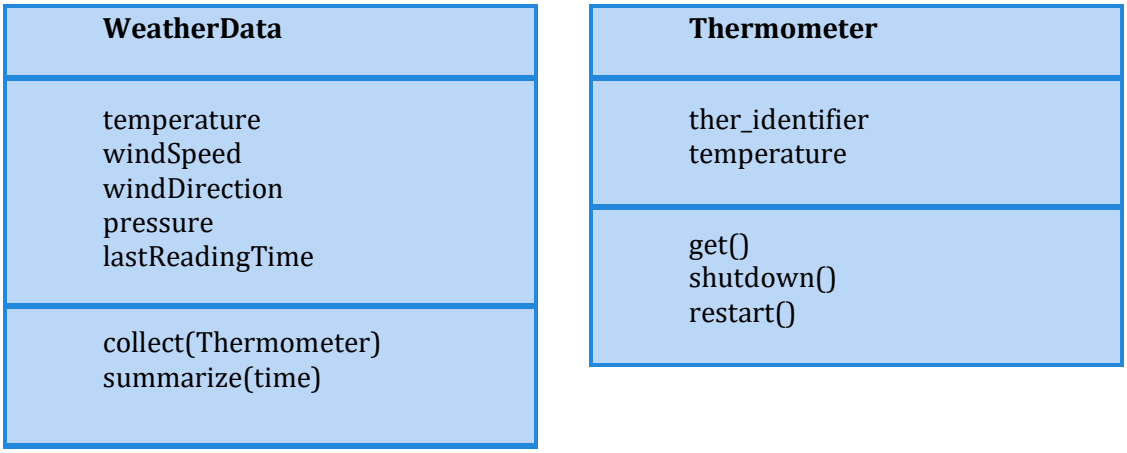
   `public double celciusToFahrenheit(double tempInCelcius);`

   Devise two executable test cases for this method in the JUnit notation. The test case specifications are described for you –

   `/*case-1 when the input tempInCelcius < 0. The method should work properly for normal negative input temperatures.*/`

   `/*case-2 When the input parameter tempInCelcius < -273.16, the method should throw an "ImpossibleValueException" with the following message-'Input temperature below absolute zero.' */`

2.



Suppose you want to test the '***collect(Thermometer)***' method of **WeatherData** class. Which requires you to pass an instance of **Thermometer** class as parameter. But the **Thermometer** class is yet to be implemented. So, you need to use a stub. Write a Junit Test case to test the collect() method with the help of '**Mockito'** framework. [Hint : You need to mock the behavior of the **get()** method in the stub class to achieve correct weatherdata] **[8]**