**Week 10: Abstract class**

1. Create a Abstract class called shaped use this class to store two double data type values that could be used to compute the area of figures. Drive two specific class called triangle and rectangle from the base class shape.

Add a member function get data to the base class to initialize base class data members and another function displaying area.

Make display area as a abstract function and redefine this function in the derived class.

1. Use Abstract class to perform payroll calculation based on the type of the employee. We can use base class as employee. The derived class for the employee are boss who gets fixed salary per month, weekly based workers, pieces wish workers who get paid by the number of pieces produced and hourly based workers.
2. Use abstract function conversion for conversion of fahrenheit to Celsius, meters to kilometers, hours to seconds.
3. Create a class named employee with the variables name, address,age, gender and a method display() to show the employee details. Create another class FullTimeEmployee that inherits the Employee class with variables salary and designation. Write a method display() to show the salary and designation along with other employee details. Create another class PartTimeEmployee that inherits the Employee class with variables workinghours and ratehour. Create methods calculatePay() to calculate the amount payble. Display() to show the details.Create necessary methods for that.