HW05 Problem Set

CS-3020

Assignment

Deitel & Deitel Exercise 11.7

HW05-1: (Deitel & Deitel Exercise 11.7)

11.7 (Quadrilateral Inheritance Hierarchy) Write an inheritance hierarchy for classes Quadrilateral, Trapezoid, Parallelogram, Rectangle and Square. Use Quadrilateral as the base class of the hierarchy. Make the hierarchy as deep (i.e., as many levels) as possible. Specify the instance variables, properties and methods for each class. The private instance variables of Quadrilateral should be the x-y coordinate pairs for the four endpoints of the Quadrilateral. Write an app that instantiates objects of your classes and outputs each object's area (except Quadrilateral).

Grading Rubric

Each problem is worth 10 pts (score will be recorded as a percentage of that amount)

10% Properly submitted10% Properly named20% Adequate comments10% Runs20% Produces correct output30% Effort evidenced by the submitted work