TestScores Class (Ch 11)

a) TestScores Class

Write a class named TestScores. The class constructor should accept an array of test scores as its argument. The class should have a method that returns the average of the test scores. If any test score in the array is negative or greater than 100, the class should throw an IllegalArgumentException. Demonstrate the class in a program.

b) TestScores Class Custom Exception

Write an exception class named InvalidTestScore. Modify the TestScores class you wrote in Programming Challenge 1 so that it throws an InvalidTestScore exception if any of the test scores in the array are invalid.

RetailItem Exceptions (Ch 11)

Programming Challenge 4 of Chapter 6 required you to write a RetailItem class that holds data pertaining to a retail item. Write an exception class that can be instantiated and thrown when a negative number is given for the price. Write another exception class that can be instantiated and thrown when a negative number is given for the units on hand. Demonstrate the exception classes in a program.