Homework 3

Due: Tuesday Oct. 1 by 11:55 PM
uploaded to NYU Classes

Do the following 4 exercises from the text. For each one, upload your java program (after removing the package statement please) and call your program

1. Exercise 5.3. Call this program Exercise5_3.java when you upload it. Hint: to reverse a number you will have to use a series of divides and remainder operations to take it apart, and a corresponding set to put the new number together.

2. Exercise 5.29. Call this program Exercise5_29.java when you upload it. Note: in addition to being correct your program should be efficient. In other words, you should only test a number is prime once. You don’t have to do anything fancy for the prime test - you can just test if the number is divisible by any smaller integer. This test for being prime should be a method that returns a boolean.

3. Exercise 6.5. Call this program Exercise6_5.java when you upload it. Remember to use nextInt from the Scanner class to read the integers.

4. Exercise 6.7. Call this program Exercise6_7.java when you upload it. Remember to use nextInt from the Scanner class to read the integers.

I have also set this homework up in Livelab if you want to use it to check your output. For convenience the URL for LiveLab is http://www.cs.armstrong.edu/liang/intro9e/liveLab.html I have also added the link to the Resources tab of the course home page.

Note that the last two questions use one-dimensional arrays, which we will cover on Thursday.