CS115: Homework #2

This assignment is due by 03/13.
Homework should be sent to ar238@njit.edu
with a subject line read as: CS115/002 HW#01

Tasks: Write a program that finds and prints all of the prime numbers between 3 and 100. A prime number is a number that can only be divided by one and itself (i.e. 3, 5, 7, 11, 13, 17 …).

One way to solve this problem is to use a double-nested loop. The outer loop can iterate from 3 to 100, while the inner loop checks to see whether the counter value for the outer loop is prime. One way to decide whether the number n is prime is to loop from 2 to n-1; if any of these numbers evenly divides n, then n cannot be prime. If none of the values from 2 to n-1 evenly divide n, then n must be prime. (Note that there are several easy ways to make this algorithm more efficient.)