**Java**

Loops Quiz Progams\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**DIRECTIONS: Now make these on eclipse so they work.**

**1)** Write a program that asks the user to enter a terminating integer, then continue to enter ints until they enter the terminating integer again. Print out the sum, average, minimum, and maximum of all of the integers except the two terminating integers.

This is what your program should look like:

Enter a terminating integer: -35

Enter an int: 4

Enter an int: 2

Enter an int: 1

Enter an int: 3

Enter an int: -35

Sum is 10

Average is 2.5

Minimum is 1

Maximum is 4

**2)** Write a program that asks the user to enter their two favorite words. Then ask them to enter their favorite letter. Print out the number of times the user's favorite letter appears in their favorite words. The user may use capital or lowercase letters.

This is what your program should look like:

Enter your first favorite word: Banana

Enter your second favorite word: Cannon

Enter your favorite letter: n

The letter N appears 5 times in your favorite words.

**3)** Write a program that asks the user to enter a starting integer and an ending integer. Print out all of the prime numbers between those two integers. Assume the user follows your directions and enters a smaller number first.

**In case you forgot:** n is a prime number if it is an integer whose only divisors are 1 and n.

This is what your program should look like:

Enter a starting number: 11

Enter an ending number: 80

These are all of the prime numbers between 11 and 80:

11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79