Kshama Girish
EECS 132
Project 3 Testing Report

IntegerStream
To test the next() method:
1. Only one stream was tested due to the face that the method only has a single simple function. Starting int was inputted, which increments each time started with the initial value

Successful

StringStream
To test the next() method:
1. Test where the last letter of the input String does not reach the end of the alphabet
2. When the end of the string is at the end of the alphabet
    a. Z ia at the end, so it must reset to a
3. Test where every letter is at the end of the alphabet (all z's)
    a. Resets to a by increasing the length of the string to 1

Each test was successful

NotMultipleFilter
To test the passFilter() method:
1. Test where the value is a multiple of the base value, should not pass filter
2. Test where case is not a multiple of the base value and should pass the filter

Each test was successful

PalindromeFilter
To test the passFilter() method:
1. Test where input is palindrome, should pass the filter
2. Test where input is not a palindrome and it should not pass the filter

Test cases were successful

NotMultipleStream
To test the passFilter() method
1. Test where the initial value is less than the base value
2. Test where the initial value is greater than base

Test cases were successful

PalindromeStream
To test the next() method

PrimeStream
To test the next() method:
1. Test the return of the first five prime numbers
Returns the first five prime numbers successfully

IntegerPair
To test the getter methods:
1. Used variable.getValue1() to get the first value of the integer pair and
   variable.getValue2() to get the second value of the integer pair.
2. Used variable.toString() to return the integer pair in string form

TwinPrimeStream
To test the next() method:
1. Test several iterations of the stream to return the first twin primes
Test were successful

MersennePrimeStream
To test the next() method:
1. Test several iterations to return the first several Mersenne prime numbers
Test were successful

StreamUtilities
Print method does not work with JUnit testing, since it uses System.out.print instead of return