**Tests**

Script started on January 22, 2018 08:48:47 PM CST

> g++ main.cpp

> a.out

// Part 1 tests:

// These tests the base case and multiple digit integers.

Enter an integer:

5

The sum of the digits is: 5

> a.out

Enter an integer:

15

The sum of the digits is: 6

> a.out

Enter an integer:

123

The sum of the digits is: 6

> a.out

Enter an integer:

0000

The sum of the digits is: 0

>

> g++ main.cpp[K[K[K[K2.cpp

> a.out

// Part 2 Tests:

// These test the base case and different kinds of ranges.

Enter two integers, the first smaller than the second:

12

12

The sum of the integers from 12 to 12 is: 12

>

> a.out

Enter two integers, the first smaller than the second:

12

15

The sum of the integers from 12 to 15 is: 54

>

> a.out

Enter two integers, the first smaller than the second:

5

8

The sum of the integers from 5 to 8 is: 26

>

> a.out

Enter two integers, the first smaller than the second:

100

110

The sum of the integers from 100 to 110 is: 1155

>

> g++ main3.cpp

> a.out

// Part 3 Tests:

// This tests the base case and different kinds of integers which result in different prime

//factorizations.

Enter a positive integer

15

The prime factorization is: 3 5

> a.out

Enter a positive integer

2

The prime factorization is: 2

> a.out

Enter a positive integer

54

The prime factorization is: 2 3 3 3

> a.out

Enter a positive integer

10

The prime factorization is: 2 5

> exit

exit

script done on January 22, 2018 08:52:24 PM CST