The George Washington University

Advanced Software Paradigms (CSCI 6221.10)

Homework Assignment #3

Date: 13 February 2024

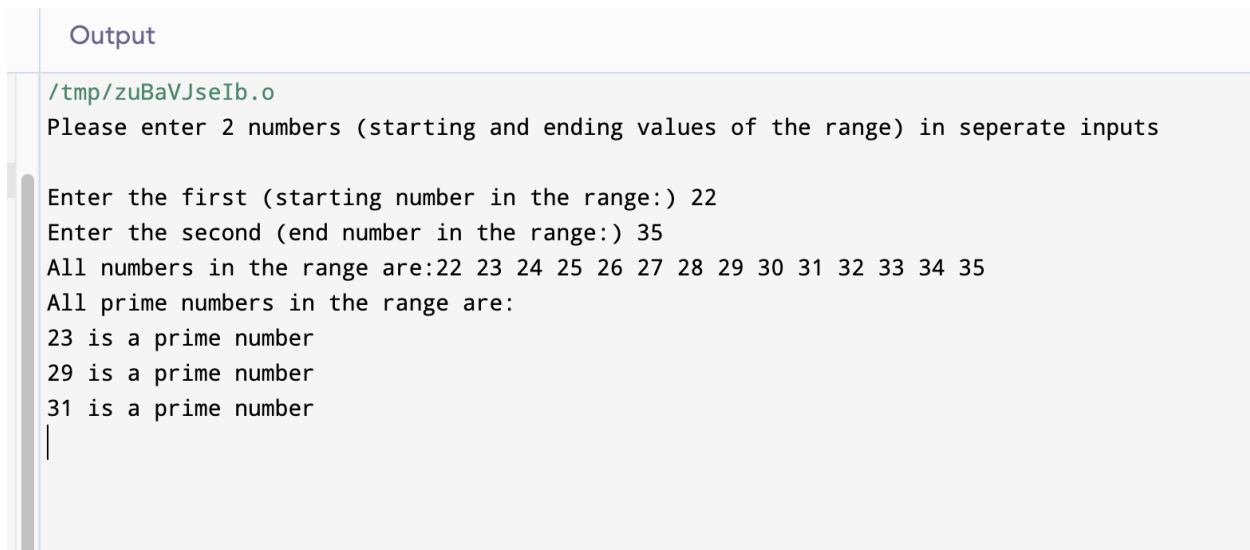**Submitted By:**

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Submitted to:

Professor Yih-Feng Hwang

Steps for execution:

1. The provided program is written in **C**. To run it, use any online C compiler, for example:
   https://www.programiz.com/c-programming/online-compiler/
2. Copy the code from the attached source code .txt file and paste it into the code area in the online compiler.
3. Click the "Run" button in the compiler.
4. Review the output/result displayed by the compiler, as illustrate in Figure 1.

Screenshots:

1. When the input is correct and operation is correct

```
Output

/tmp/zuBaVJseIb.o
Please enter 2 numbers (starting and ending values of the range) in seperate inputs

Enter the first (starting number in the range:) 22
Enter the second (end number in the range:) 35
All numbers in the range are:22 23 24 25 26 27 28 29 30 31 32 33 34 35
All prime numbers in the range are:
23 is a prime number
29 is a prime number
31 is a prime number
```

Figure 1: Result when input is correct

2. When there is error in input numbers or operation

Output

```
/tmp/zuBaVJseIb.o
Please enter 2 numbers (starting and ending values of the range) in seperate inputs

Enter the first (starting number in the range:) 0
Enter the second (end number in the range:) 1
Inputs not valid. Enter two positive non zero numbers
```

Figure 2: Result when input is incorrect