

The George Washington University



Advanced Software Paradigms (CSCI 6221.10)

Homework Assignment #3

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Submitted By:

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Submitted to:

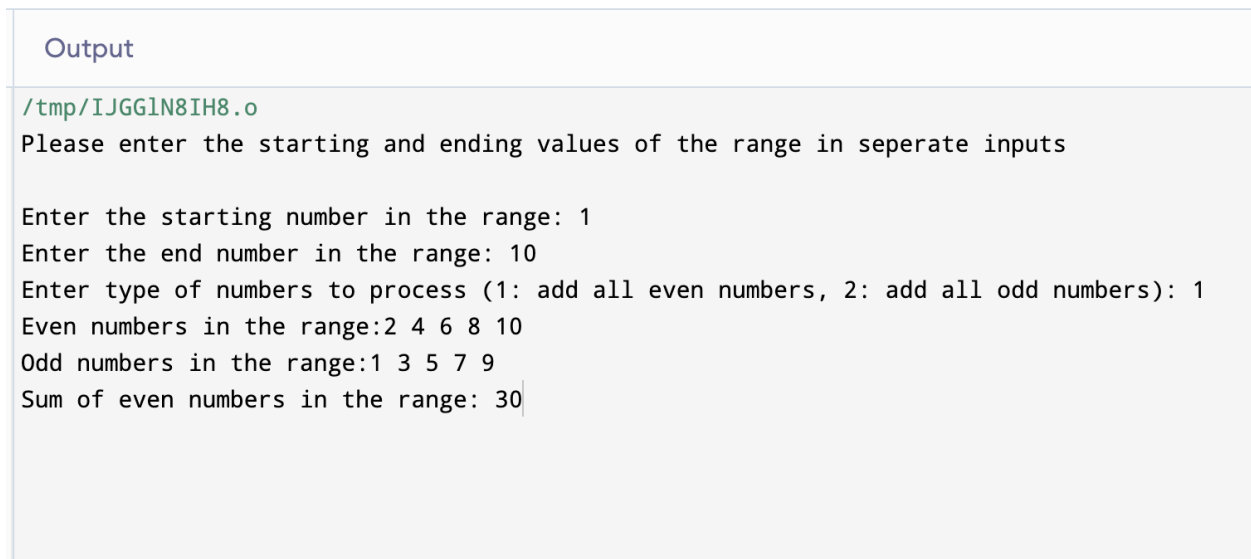
Professor Yih-Feng Hwang

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/IJGG1N8IH8.o
Please enter the starting and ending values of the range in seperate inputs

Enter the starting number in the range: 1
Enter the end number in the range: 10
Enter type of numbers to process (1: add all even numbers, 2: add all odd numbers): 1
Even numbers in the range:2 4 6 8 10
Odd numbers in the range:1 3 5 7 9
Sum of even numbers in the range: 30
```

Figure 1: Result when input is correct

2. When there is error in input numbers or operation

Output

```
/tmp/IJGG1N8IH8.o
Please enter the starting and ending values of the range in seperate inputs

Enter the starting number in the range: 1
Enter the end number in the range: 10
Enter type of numbers to process (1: add all even numbers, 2: add all odd numbers): 3
Even numbers in the range:2 4 6 8 10
Odd numbers in the range:1 3 5 7 9
Invalid choice! (enter 1: for even addition. 2: for odd additon.)
```

Figure 2: Result when input is incorrect