

NAME : _____

CS 4350 – Unix Systems Programming

Serial Number :

Assignment Number : _____

Due Date : 2 / 13 / 2019

Write the above as part of your documentation

Write a script that will take three integer arguments. The script will calculate and display the following:

1. The result of sum of the 3 arguments.
2. The result of product of the 3 arguments.
3. Find the all odd and even numbers between 1 and the first argument
4. Indicate whether the numbers that you entered from the keyboard is one digit number, tow digit numbers or 3 digit numbers.
5. Determine whether or not each one of the arguments is a prime number.

Use the following command to run your script

`./count.sh 5 12 101`

Instructions :

1. Can work as a group of 2.
2. Must submit one file that contains all your scripts followed by the output of the scripts.
3. The output must follow the sample run format.
4. You must upload your solution **using TRACS** – Make sure you include the above as comments in your program

Make sure that you name your homework document as as follows :

**LastName_FirstName_HW1.doc or
LastName_FirstName_HW1.txt**

Where LastName is your Last Name and FirstName is your First Name. For example , the file name should look something like :

You must upload your programs no later than the starting of class time on the due date.
No late assignments will be accepted..

5. You must **also** turn in hard copy of your source code no later than the due date / time . Please turn one hard copy / group . Should the hard copy consist of more than one page , then , the hard copy must be **stapled**. if you are unable to turn in a printout during class, you can take the program to the computer science department and hand it to the front desk personal (Comal 211) before the deadline. Make sure that the front office stamps the program. Make sure that include the date and time. Finally ,make sure that they place the program in my mailbox.

DO NOT slide your program under my office door – It will **NOT** be accepted

The following points will be deducted if :

- Compilation Errors, missing electronic copy , missing the hardcopy (- 10 points)
- Logical Errors (at least .5 points)
- Other (.5 points) if any of the following takes a place :
 - Unable to read the source code due to unclear printing
 - Incorrect Output format.
 - Incorrect program file name.
 - Hard copy is not stapled.
 - More than one hard copy per group.
 - Incorrect Style **such as but not limited to** Missing Header comments , missing footer , missing serial number , missing section number ... etc.

Sample Run: The script starts her

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The function of this script is to:

1. Display the numbers.
2. Add and multiply 3 numbers.
3. Find the all odd and even numbers between 1 and the first argument
4. Indicate whether the numbers that you entered from the keyboard is one-digit number, tow-digit numbers or three-digit numbers.
5. Display all prime numbers between 1 and the second number.

The numbers are 5 12 101

$5 + 12 + 101 = 118$

$5 * 12 * 101 = 6060$

All odd numbers between 1 and 5

1 3 5

All even numbers between 1 and 5

2 4

5 is one-digit number

12 is two-digit number

101 is three-digit number

All prime numbers between 1 and 12

1 2 3 5

End of script

Husain Gholoom - 2 – 20 - 2019