

Lassonde School of Engineering

EECS 2032

LAB TEST 1A, Thursday

Feb 2023

4:00-6:00pm

Submission

Web submit this lab to 2032Z Directory LABTEST1A with the file names given below.

Attempt any **FOUR parts**. Each part is worth **5 points**

Part 1

Read two integers from the standard input and display on the same line the integers between them not counting the two integers you read.

For example if you read 3 12, you display

4 5 6 7 8 9 10 11

File name labtest1A_1.sh

Part 2

Read 3 integers and display the median number

File name labtest1A_2.sh

Part 3

Write a bash script that reads from a text file (p2a.txt) Each line in the file contains either 4 or 5 integers.

Display the line where the first integer is greater than the sum of the second and third integers.

File name labtest1A_3.sh

Part 4

Write a bash script that takes one command line argument (a number represents the number of units of a product).

Then it checks a file inv.txt where every record on a separate line, and every record consists of the following fields

Product ID product name Price inventory

Where inventory is the number of available units of that product, and fields are separated by tabs.

The script displays on the standard output the Product ID, and the Product name of any product that has inventory equal to, less by one, or more by one than the number given as a command line argument.

For example if we run the script as

```
bash labtest1A_4.sh 45
```

It displays the product number and product name of any product with inventory 44, 45, or 46

File name labtest1A_4.sh

Part 5

Write a sed script that displays only lines that contains at least two non neighboring digits

File name labtest1A_5.sh