

CMSC 131 Introduction to Computer Organization and Machine-Level Programming

Exercise 3: Unconditional and Conditional Control Transfer

Write a program that finds the largest among three numbers. Create a memory variable **largestNum** to store the value of the largest number and **largestInput** to store the letter of the input name of the largest number. Create a label **exit_here** for the exit code. You may assume that the user will only give unsigned values ranging from 0-255.

EXAMPLE RUN:

Input A	Input B	Input C	largestNum	largestInput
7	15	21	21	C
7	21	15	21	B
15	7	21	21	C
15	21	7	21	B
21	7	15	21	A
21	15	7	21	A

Sample gdb input.txt for checking:

```
file a.out
set disassembly-flavor intel
b*exit_here
r
x/ub &largestNum
x/cb &largestInput
```