

LAB 8 — Command-Line Arguments

Problem A

Implement a simple calculator C program (called `calc.c`) that accepts input in the following format and displays the result of the computation:

```
calc [operand_1] [operator] [operand_2]
```

The operands `operand_1` and `operand_2` are positive integers. The operator is one of the following: addition (+), subtraction (-), multiplication (x), division (/) and modulo (%).

Note: For the multiplication operator, use letter `\x`. If you use the asterisk `*`, your program will not work properly. Why?

If the user simply types `calc`, the following usage message must be displayed:

```
Usage: calc [operand_1] [operator] [operand_2]
```

Assume that all inputs are valid. No error checking is required on inputs.

Problem B

Write a C program (called `mmavg.c`) that accepts a set of integers as command-line arguments from the user, and then displays the maximum, minimum and average values of the input integers.

If the user simply types `mmavg`, the following usage message must be displayed:

```
Usage: mmavg int1 int2 int3 ...
```

Assume that all inputs are valid and the number of input integers is less than 100. No error checking is required on inputs.