CSE220: SYSTEMS FUNDAMENTALS I
Assignment 6
Due on 22 Nov, by 5PM

Write the code for each problem separately but hand the code for all the problems in a single plain-text file. Test results should be included immediately after the code for each problem.

You are advised to first develop your algorithms carefully.

1. Write a MIPS assembly-language program that program that does the following.
    (a) Reads an integer N.
    (b) Reads N integers, one at a time.
    (c) Computes the sum of the positive integers and the sum of the negative integers.
    (d) Prints the results.

    Your program should work correctly regardless of the ordering on the input numbers.

2. Write a MIPS assembly-language program that does the following.
    (a) Reads two integers, a dividend and divisor.
    (b) Divides the two using only repeated subtraction.
    (c) Prints the quotient and remainder from the division.

    Your program should work correctly regardless of the signs of the two operands.

3. Write a MIPS assembly-language program that reads an integer N and prints an asterisk-pyramid of N lines. For example, if N is 4, then the output should be

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 *****
*******
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