

Arithmetics, Numerical Conversion and Registers

Create a program that performs the following:

Prompts the user to enter a 3 strings of data:

- 1) a multi-digit integer number (operand1)
- 2) a single character representing an arithmetic operator such as + - / *
- 3) another multi-digit integer number (operand2)

Echo back the input received to the terminal for each input string entered.

Convert each numeral operand to a signed binary integer.

Then perform integer arithmetic based upon the received operator.

Display the arithmetic result at the terminal.

Ensure that the division shows any remainder, if present. Furthermore, ensure that no operation other than division should contain a remainder.

Use debugging techniques learned in class: DumpRegs/mShowRegister and DumpMem.