INTRODUCTION TO MICROCOMPUTERS LAB.

152115025

Homework #3

GNUSim8085 will be used as a simulator during the evaluation of the first four assignments. https://gnusim8085.srid.ca/download

Design a calculator that will perform basic mathematical operations (addition, subtraction, multiplication, division).

- Get the values that will be processed via ports 00h and 01h.

- Use port 02h to get the operation choices.

- Use port 03h for passing the computation output.

- Perform at least one of the operations (from main routine to end of operation) **without using call instructions, jump instructions, and instructions that contain the word "immediate" in their description**. **Do not retrieve any manually entered values** (you can use the lxi instruction once with the value 4200h).

Save your completed work in the file named "152120XX10XX_AdSoyad_HwX.asm" and zip it into file of the same name (not .asm.zip!). Upload the zip file to the relevant section on the UZEM.

As indicated in the orientation, make sure that the comments on your work are descriptive, as this will be effective in scoring.