

Download GNU Simulator 8085 from below link:

<https://gnusim8085.github.io/>

Assignment – 01

(Use of instructions: ADD, SUB, STA, LDA, MVI, MOV)

- (1) Store the data byte 25H into memory location 3000H
- (2) Write a program to add two 8-bit numbers. Store the result at one memory location.
- (3) Write a program to subtract two 8-bit numbers. Store the result at one memory location.
- (4) Exchange the contents of memory locations 2000H and 4000H
- (5) Write a program to add two 16 bit numbers. Numbers are stored in four consecutive memory location as 8-bit numbers. (Use instruction ADC)
- (6) Write a program to subtract two 16 bit numbers. Numbers are stored in four consecutive memory location as 8-bit numbers. (Use instruction SBB)