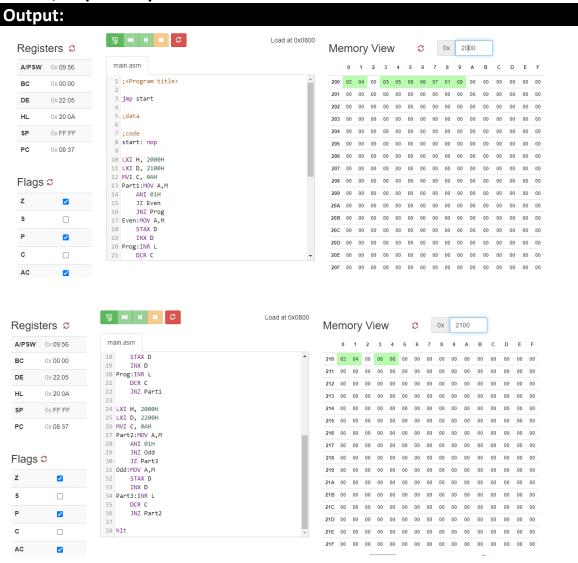
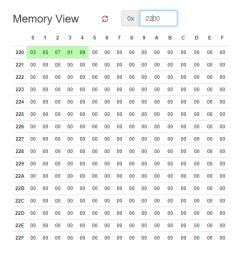
# **8085 Assembly Language Programs**

(Assignment -07)

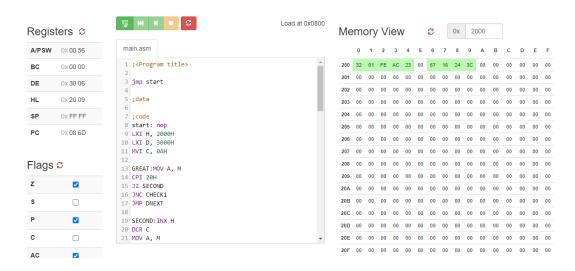
- Design an 8085 Assembly Language Program for the following definitions:
  - A) An array of ten numbers is stored from memory location 2000H onwards. Write an 8085-assembly language program to separate out and store the EVEN and ODD numbers on new arrays from 2100H and 2200H, respectively.





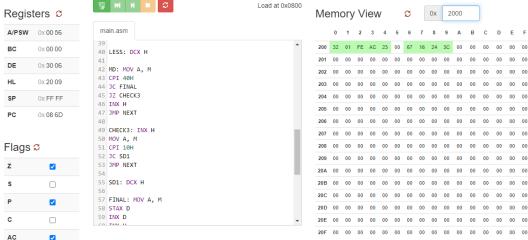
B) Write an 8085-assembly language program to count the number of bytes that are greater than 2010 and lesser than 4010 from an array of ten bytes stored on memory locations 2000H onwards. Store such numbers on memory locations 3000H onwards.

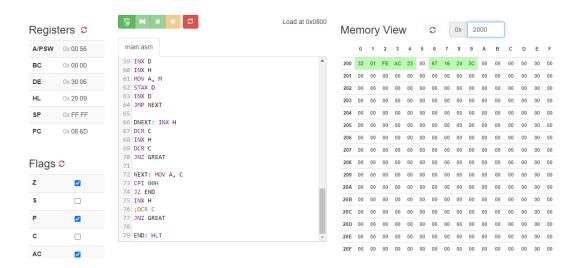
# **Output:**



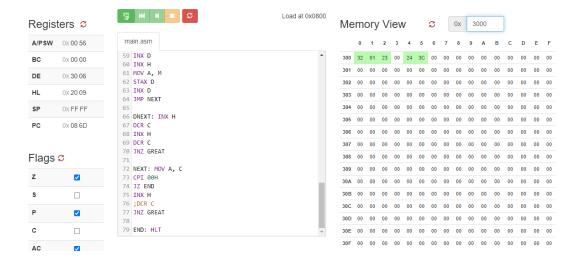
#### Microprocessor & Interfacing





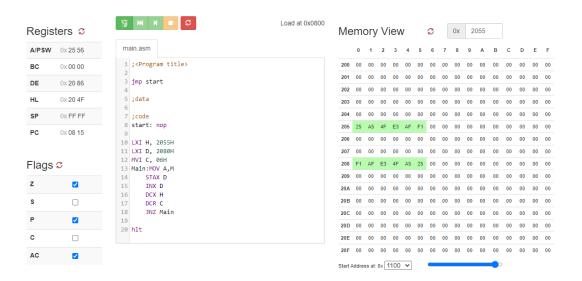


#### Microprocessor & Interfacing



C) The following block of data is stored in the memory locations from 2050H to 2055H. Write an 8085 Assembly language program to Transfer the data to the locations 2080H to 2085H in the reverse order. DATA(H) 25, A5, 4F, E3, AF, F1

## **Output:**



D) An array of ten data bytes is stored on memory locations 2100H onwards. Write an 8085-assembly language program to find the largest number and store it on memory location 2200H.

### **Output:**

