

PRACTICAL – 23

AIM: Write an assembly language program to find the no. of odd numbers and even numbers, given an array of n numbers.

CODE:

org 100h

MOV [4000H],01H

MOV [4001H],02H

MOV [4002H],03H

MOV [4003H],04H

MOV [4004H],05H

MOV [4005H],06H

MOV [4006H],07H

MOV [4007H],08H

MOV [4008H],09H

MOV [4009H],0aH

MOV CL,0aH

MOV SI,4000H

MOV BL,00H

MOV DL,00H

L1:

MOV AL,[SI]

SHR AL,1

INC si

JC ODD

JNC EVEN

ODD:

INC BL

LOOP L1

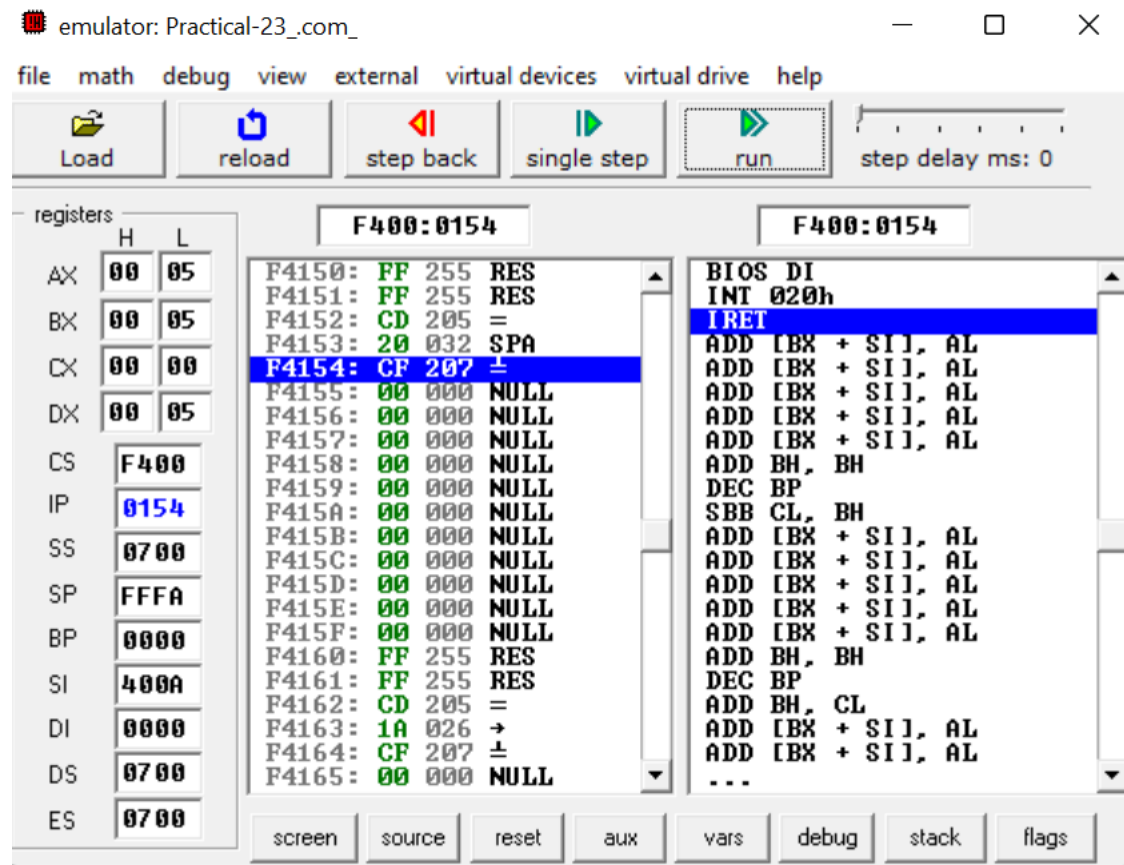
ret

EVEN:

INC DL

LOOP L1

ret

OUTPUT:

CONCLUSION: In this Practical we learn that how to find an odd and even number in array using assembly language.