PRACTICAL – 39

AIM:

Calculate the sum of series of even numbers from the list of numbers. The length of the list is in memory location 2200H and the series itself begins from memory location 2201H. Assume the sum to be 8 bit number so you can ignore carries and store the sum at memory location 2210H.

CODE:

```
org 100h
mov [2200h],06h
mov [2201h],01h
mov [2202h],02h
mov [2203h],05h
mov [2204h],07h
mov [2205h],08h
mov [2206h],05h

mov cl,00h
mov si,2201h

l1:
mov ax,[si]
shr ax,1
jc odd
jnc even

odd:
jmp repeat
```
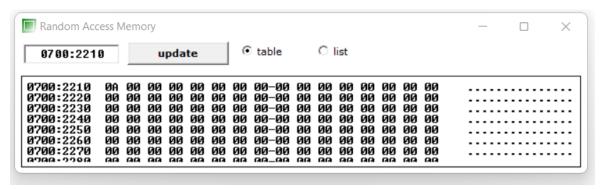
even:
add cl,[si]

repeat:
inc si
cmp si,2207h
jnz l1

exit:
mov [2210h],cl

ret

OUTPUT:

CONCLUSION: In this practical, we learnt how to add even numbers stored in contiguous memory locations and store the result into one of them.