PRACTICAL – 38

AIM:

Implement a program to reverse a string using stack operations and stored in same memory area.

CODE:

```
org 100h

mov si,offset str
lea dx,str
mov cx,00h

l1:
mov ax,[si]
push ax
inc si
inc cx
cmp [si],'$'
jnz l1
mov si,offset str

l2:
pop [si]
inc si
dec cx
jnz l2


ret


STR DB 'HELLO','$'
```
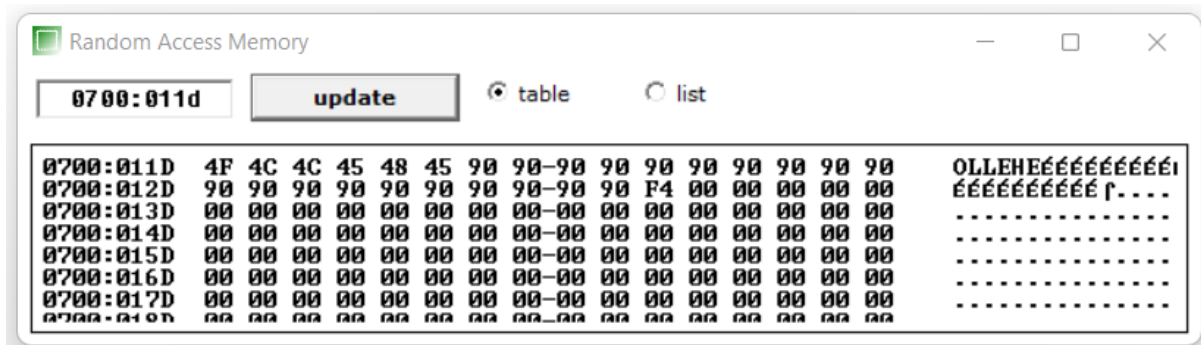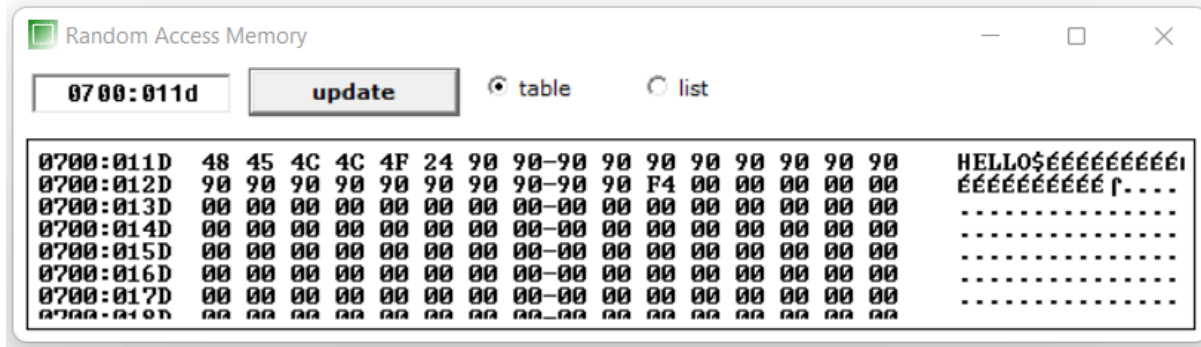
OUTPUT:

CONCLUSION: In this practical, we learnt about how to reverse a string using stack operations.