

## PRACTICAL – 34

**AIM:** Write a program to add the two Hex Numbers 7AH and 46H and to store the sum at memory location 2098 and flags status at 2097 location

### **CODE:**

```
org 100h
```

```
MOV AX,7Ah
```

```
MOV BX,46H
```

```
ADD AX,BX
```

```
MOV [2098H],AX
```

```
PUSHF
```

```
POP [2097H]
```

**ret**

### **OUTPUT:**

Random Access Memory

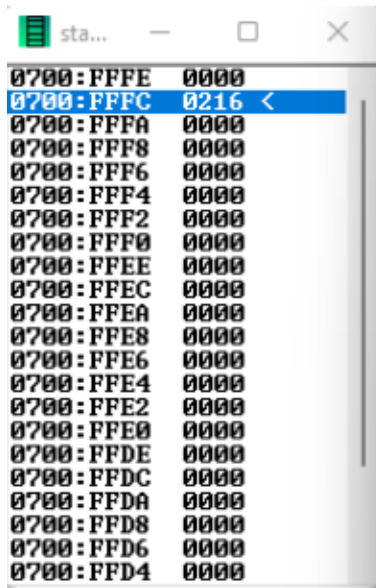
0700:2098

update

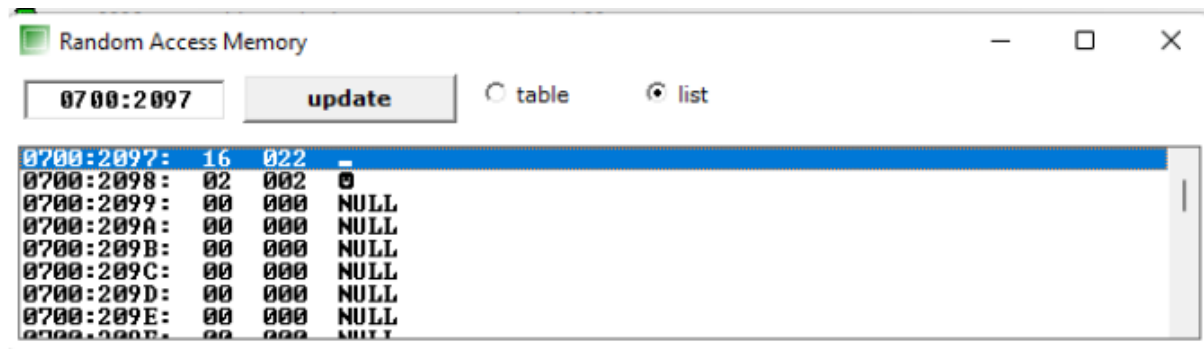
☐ table

☒ list

0700:2098:	C0	192	L
0700:2099:	00	000	NULL
0700:209A:	00	000	NULL
0700:209B:	00	000	NULL
0700:209C:	00	000	NULL
0700:209D:	00	000	NULL
0700:209E:	00	000	NULL
0700:209F:	00	000	NULL
0700:20A0:	00	000	NULL



0700:FFFE	0000
0700:FFFC	0216 <
0700:FFFA	0000
0700:FFF8	0000
0700:FFF6	0000
0700:FFF4	0000
0700:FFF2	0000
0700:FFF0	0000
0700:FFEE	0000
0700:FFEC	0000
0700:FFEA	0000
0700:FFE8	0000
0700:FFE6	0000
0700:FFE4	0000
0700:FFE2	0000
0700:FFE0	0000
0700:FFDE	0000
0700:FFDC	0000
0700:FFDA	0000
0700:FFD8	0000
0700:FFD6	0000
0700:FFD4	0000



Random Access Memory		
0700:2097	update	<input type="radio"/> table <input checked="" type="radio"/> list
0700:2097:	16	022 -
0700:2098:	02	002 0
0700:2099:	00	000 NULL
0700:209A:	00	000 NULL
0700:209B:	00	000 NULL
0700:209C:	00	000 NULL
0700:209D:	00	000 NULL
0700:209E:	00	000 NULL
0700:209F:	00	000 NULL

**CONCLUSION:** In this practical we learnt how to push & pop flag values in stack.