

## PRACTICAL: 3(B8)

**AIM:** Implement a program to set higher four bits of content of the memory location to 1.

### CODE:

```
org 100h
```

```
MOV [4000H], 00101010b
```

```
MOV AL, [4000h]
```

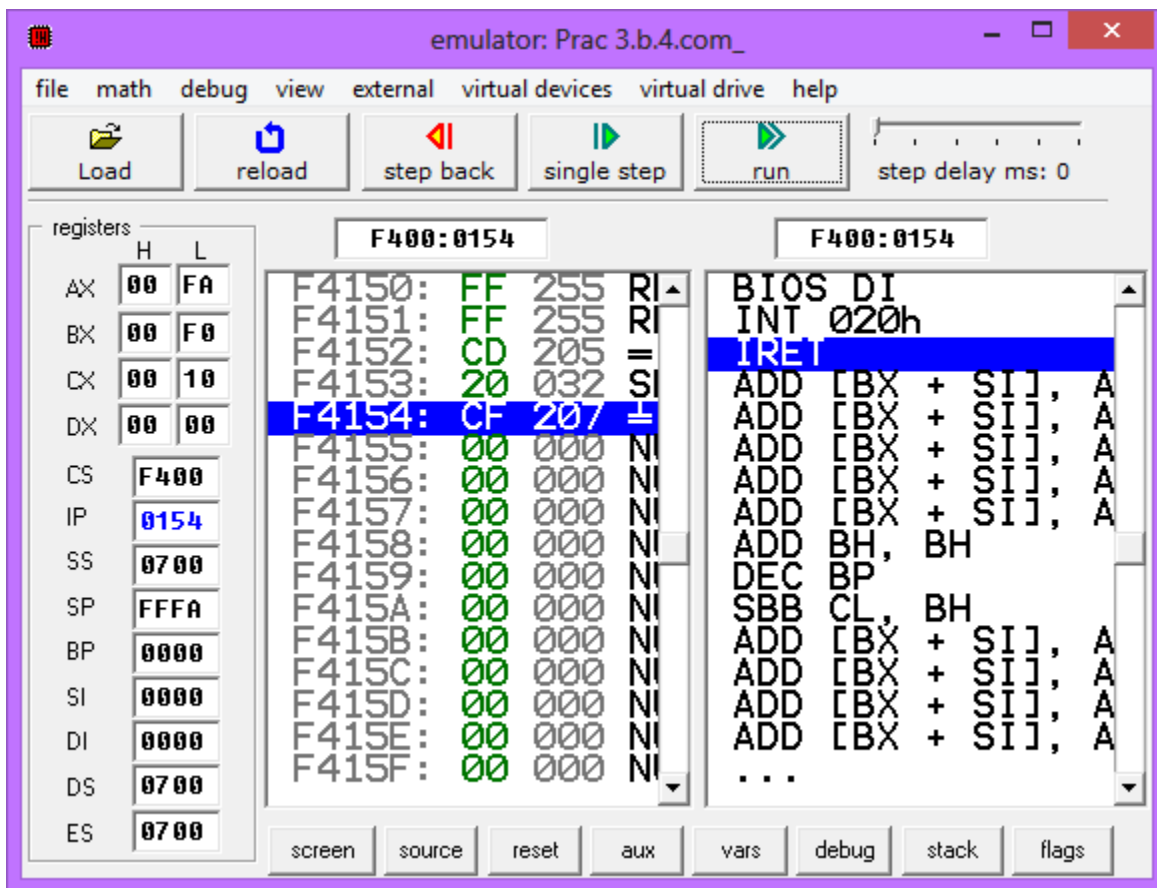
```
MOV BL, 11110000b
```

```
OR AL, BL
```

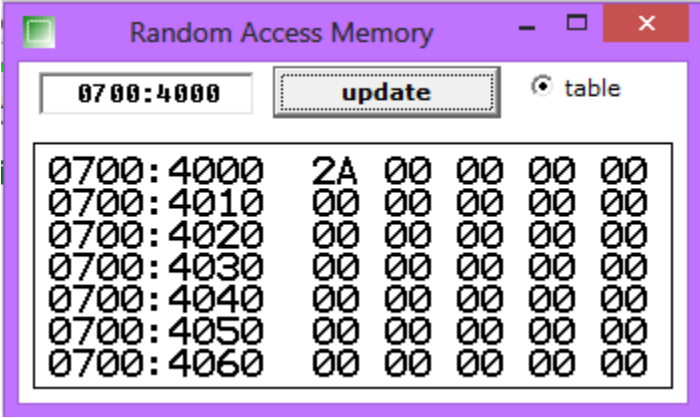
```
MOV [4000H], AL
```

```
ret
```

### OUTPUT:

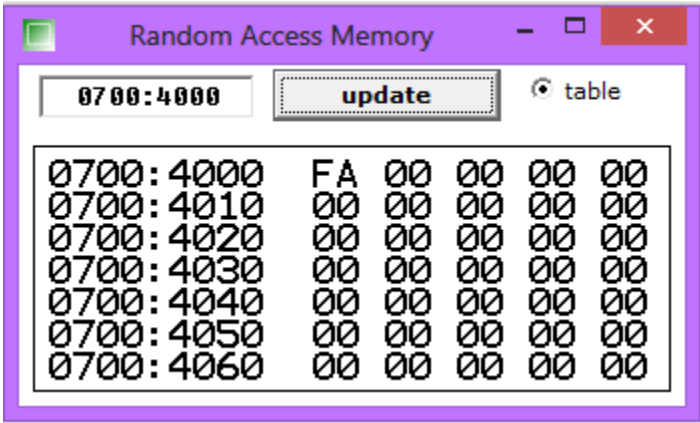


Before:



Address	Value
0700:4000	2A 00 00 00 00
0700:4010	00 00 00 00 00
0700:4020	00 00 00 00 00
0700:4030	00 00 00 00 00
0700:4040	00 00 00 00 00
0700:4050	00 00 00 00 00
0700:4060	00 00 00 00 00

After:



Address	Value
0700:4000	FA 00 00 00 00
0700:4010	00 00 00 00 00
0700:4020	00 00 00 00 00
0700:4030	00 00 00 00 00
0700:4040	00 00 00 00 00
0700:4050	00 00 00 00 00
0700:4060	00 00 00 00 00

### CONCLUSION:

We learned that How to set 1 at higher 4 bits of content of memory location by using OR command.