PRACTICAL-11

AIM: Write an assembly program to set higher 4-bits out of 8-bits of content of the memory location to 0.

Description of instructions used:

- **AND**
  The AND instruction is used for adding each bit in a byte/word byte/word with the corresponding bit in another byte/word.

Code:

```
.model code1

.data
.code

MOV BX, 1010h
MOV DS, BX

MOV [1000H], 77h
MOV AL, [1000H]
MOV BL, 0f0h

AND AL, BL
MOV [1000H], AL

END
```

Output: