**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:** Logical AND between all bits of two operands. Result is stored in operand1.

Here, we will set higher 4-bit out of 8-bit of Content of the memory location to 0.

**Code:**

MOV AX,4000H

MOV DS,AX

MOV [0000H], 3BH

MOV AL,[0000H]

AND AL,0DH

MOV [0001H], AL

**Output:**

