**Practical - 7**

**Aim:**

Write a program to multiply & divide the number stored at 4000H by 2 and store the result at 4001H & 4002H. (without MUL and DIV instruction)

**Description of instructions used:**

In this Practical we have to find Multiplication and division without using MUL and DIV Operations. So, we have to use SHL in place of MUL and SHR in place of DIV. here we have to multiply with 2 and division with two therefor we will perform Shift Left and Right one time.

**Code:**

mov ax,0000h

mov ds,ax

mov [4000h],40h

mov al,[4000h]

shr al,1

mov [4001h],al

mov al,[4000h]

shl al,1

mov [4002h],al

**Output:**

