**Practical - 9**

**Aim:**

Write an assembly program to set lower byte of flag register.

**Description of instructions used:**

There are 5 flag registers in 8086 microprocessor which become set (1) or reset (0) depending upon condition after either 8-bit or 16-bit operation. These flags are conditional/status flags. 5 of these flags are same as in case of 8085 microprocessor and their working is also same as in 8085 microprocessors.

The 5 status flags are:

* Sign Flag
* Zero Flag
* Auxiliary Cary Flag
* Parity Flag
* Carry Flag

**SHAF:** Store AH register into low 8 bits of Flags register. Algorithm: flags register = AH

**Code:**

MOV AX,4000H

MOV DS,AX

MOV AH, 0FFH

SAHF

**Output:**

