Experiment 6

Name:Pratik Chavan

Div/Batch:A/A1   Roll No.07

```
.MODEL SMALL

.STACK 100H

.DATA

    MSG DB 'Flag Register: $'  ; Message to display

    HEX_CHARS DB '0123456789ABCDEF'  ; Lookup table for hex digits

    FLAGS DW ?  ; Variable to store flag register value


.CODE

MAIN PROC

    MOV AX, DGROUP

    MOV DS, AX


    PUSHF        ; Push flag register onto the stack

    POP FLAGS    ; Pop flag register into FLAGS variable


    MOV DX, OFFSET MSG

    MOV AH, 09H

    INT 21H      ; Print "Flag Register: "


    MOV AX, FLAGS  ; Load flag register value into AX

    CALL PRINT_HEX ; Print the flag register in hexadecimal format


    MOV AH, 4CH
```