

ATHARVA YADAV

ROLL NO: 127

BATCH: S23

MPL ASSIGNMENT NO.5

AIM: TO PERFORM 16 BIT BCD ADDITION

DATA_SEG SEGMENT NUM1 DW 5689H NUM2 DW 1234H SUM DW 0 DATA SEG ENDS

CODE_SEG SEGMENT

ASSUME CS: CODE_SEG,DS: DATA_SEG START:

MOV AX,DATA_SEG
;initialize data segment reg

MOV DS,AX

;Move NUM1 and NUM2 to AX and Bx respectively

MOV AX, NUM1 MOV BX, NUM2; Add AL and BL save it to AL and do DAA

ADD AL, BL

DAA

MOV CL, AL

;Move AL to CL

MOV AL, AH ADC AL, BH DAA

MOV CH, AL

MOV SUM, CX

MOV AH,4CH

;exit to DOS INT 21H

CODE SEG ENDS

END START

