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**Creating a menu driven program.**

PROGRAM:

MESS MACRO MSG

MOV AH,09h

LEA DX,MSG

INT 21h

ENDM

.MODEL SMALL

.DATA

N1 DB 00h

N2 DB 00h

C DB 00h

MSG1 DB 0Ah,0dh, "MENU:$"

MSG2 DB 0Ah,0dh, "1)ADDITION :$"

MSG3 DB 0Ah,0dh, "2)SUSTRACTION :$"

MSG4 DB 0Ah,0dh, "3)MULTIPLICATION :$"

MSG6 DB 0Ah,0dh, "ENTER 1ST NUMBER=:$"

MSG7 DB 0Ah,0dh, "ENTER 2ND NUMBER=:$"

MSG8 DB 0Ah,0dh, "ANSWER=:$"

.CODE

MOV AX,@DATA

MOV DS,AX

MESS MSG1

MESS MSG2

MESS MSG3

MESS MSG4

MOV AH,01h

INT 21h

MOV C,AL

CMP C,31h

JNE STOP1

MESS MSG6

CALL ACCEPT

MOV N1,CL

MESS MSG7

CALL ACCEPT

ADD N1,CL

MOV CL,N1

MESS MSG8

CALL DISP

JMP STOP

STOP1:CMP C,32h

JNE STOP2

MESS MSG6

CALL ACCEPT

MOV N1,CL

MESS MSG7

CALL ACCEPT

SUB N1,CL

MOV CL,N1

MESS MSG8

CALL DISP

JMP STOP

STOP2:CMP C,33h

JNE STOP3

MESS MSG6

CALL ACCEPT

MOV N1,CL

MESS MSG7

CALL ACCEPT

MOV N2,CL

MOV AL,N1

MOV BL,N2

MUL BL

MOV CL,AL

MESS MSG8

CALL DISP

JMP STOP

STOP3: JMP STOP

STOP:

MOV AH,4CH

INT 21h

ACCEPT PROC NEAR

MOV AH,01h

INT 21h

CMP AL,3Ah

JC DOWN1

SUB AL,07h

DOWN1:AND AL,0Fh

ROR AL,04h

MOV BL,AL

MOV AH,01h

INT 21h

CMP AL,3Ah

JC DOWN2

SUB AL,07h

DOWN2:AND AL,0Fh

ADD BL,AL

MOV CL,BL

RET

ENDP

DISP PROC NEAR

MOV BL,CL

AND BL,0F0h

ROR BL,4h

CMP BL,0Ah

JC DOWN3

ADD BL,07h

DOWN3:ADD BL,30h

MOV DL,BL

MOV AH,02h

INT 21h

MOV BL,CL

AND BL,0Fh

CMP BL,0Ah

JC DOWN4

ADD BL,07h

DOWN4:ADD BL,30h

MOV DL,BL

MOV AH,02h

INT 21h

RET

ENDP

END

**Output:**

