**EXPERIMENT N0-3**

**AIM: Write ALP to perform multiplication of two single digit numbers using macro**

**CODE:**

DATA SEGMENT

M1 DB 0DH, 0AH,"Enter Number 1: $"

M2 DB 0DH, 0AH,"Enter Number 2: $"

M3 DB 0DH, 0AH,"Multiplication: $"

DATA ENDS

PRINT MACRO MSG

MOV AH,09H

MOV DX,OFFSET MSG

INT 21H

ENDM

CODE SEGMENT

ASSUME CS:CODE,DS:DATA

START:

MOV AX,DATA

MOV DS,AX

PRINT M1

MOV AH,01H

INT 21H

SUB AL,30H

MOV BL,AL

PRINT M2

MOV AH,01H

INT 21H

SUB AL,30H

MUL BL

PRINT M3

AAM

ADD AL,30H

ADD AH,30H

MOV CX,AX

MOV DL,CH

MOV AH,02H

INT 21H

MOV DL,CL

MOV AH,02H

INT 21H

MOV AH,4CH

INT 21H

CODE ENDS

END START

**OUTPUT:**

