```
.MODEL SMALL
PRINTF MACRO MSG
        LEA DX,MSG
        MOV AH,09H
        INT 21H
ENDM

.DATA
PA EQU 0D800H
PB EQU 0D801H
PC EQU 0D802H
CW EQU 0D803H

M1 DB 10,13,'Enter 1st 8 bit Number: $'
M2 DB 10,13,'Enter 2nd 8 bit Number: $'

.CODE
MOV AX,@DATA
MOV DS,AX

MOV AL,82H  ;port B as input
MOV DX,CW
OUT DX,AL

PRINTF M1    ;reading first 8 bit
MOV AH,08H  ;character no echo
INT 21H
MOV DX,PB
IN AL,DX
MOV BL,AL

PRINTF M2    ;reading second 8 bit
MOV AH,08H  ;character no echo
INT 21H
MOV DX,PB
IN AL,DX

MUL BL                  ;X*Y.. multiplying

MOV DX,PA   ;displaying LSB on LCI
OUT DX,AL

CALL DELAY
```

```
MOV AL,AH    ;displaying MSB on LCI
MOV DX,PA
OUT DX,AL

MOV AH,4CH
INT 21H

DELAY PROC NEAR
        MOV SI,0FFFFH
        Outer:
                MOV DI,0FFFFH
                Inner:
                        DEC DI
                JNZ Inner
                DEC SI
        JNZ Outer
        RET
DELAY ENDP

END
```