**8-Bit Multiplication :**

**asm Code :**

|  |  |
| --- | --- |
| Data segment      msg db 0dh,0ah,"Enter first number: $"      msg1 db 0dh,0ah,"Enter second number: $"      result db 0dh,0ah,"The Result is: $"  Data ends  Code segment      assume CS:Code,DS:Data  start:      mov ax,Data      mov DS,ax      mov dx, offset msg      mov ah, 09h      int 21h      mov ah, 01h      int 21h      sub al, 30h      mov bl, al      rol bl, 4      mov ah, 01h      int 21h      sub al, 30h      add al, bl      mov cl, al      mov dx, offset msg1      mov ah, 09h      int 21h      mov ah, 01h      int 21h      sub al, 30h      mov bl, al      rol bl, 4      mov ah, 01h  int 21h      sub al, 30h      add al, bl      mul cl  ;--Multiplication      mov cx, ax      mov bx, ax      mov dx,offset result      mov ah,09h      int 21h | and bh, 0f0h      ror bh, 4      call AsciiConv      mov dl,bh      mov ah,02h      int 21h      and ch, 0fh      mov bh, ch      call AsciiConv      mov dl,bh      mov ah,02h  int 21h      and bl, 0f0h      ror bl, 4      mov bh, bl      call AsciiConv      mov dl,bh      mov ah,02h      int 21h      and cl, 0fh      mov bh, cl      call AsciiConv      mov dl,bh      mov ah,02h      int 21h      mov ah,4ch      int 21h      AsciiConv proc          cmp bh,0ah          jc skip          add bh,07h          skip: add bh,30h          ret          endp  Code ends  end start |

**Output :**

