

Microprocessor μP

DEBUG: 02 — Upper to Lower case letter

Program to read in a letter in upper case and print it out in lower case using OR

```
C:\Users\Mostafa>debug
-e 0100 "enter the upper case letter: $"
-e 0120 "the lower case letter is: $"
-a 0200
13B2:0200 mov ah,9
13B2:0202 mov dx,0100          ; load and print string at 0100
13B2:0205 int 21
13B2:0207 mov ah,1            ; read a letter
13B2:0209 int 21
13B2:020B mov bl,al           ; save letter in BL
13B2:020D mov dx,0120          ; load and print string at 0120
13B2:0210 mov ah,9
13B2:0212 int 21
13B2:0214 or bl,20
13B2:0217 mov ah,2            ; print the lower case letter
13B2:0219 mov dl,bl
13B2:021B int 21
13B2:021D mov ah,4c           ; return control to DOS
13B2:021F int 21
13B2:0221
-r ip
IP 0100
:0200
-g 0221
enter the upper case letter: Tthe lower case letter is: t
C:\Users\Mostafa>
```