MICROPROCESSORS AND INTERFACING
LAB-2

NAME: A.SUDARSHAN   **DATE: 25/02/2022**

LAB SECTION: P10

 ID: 2019B4A70744P

REQUIRED OUTPUT: 2 + 0 + 1 + 9 + 4 + 7 + 0 + 7 + 4 + 4 = 38 = 26H

```
D:\>ml lab2.asm
Microsoft (R) Macro Assembler Version 6.11
Copyright (C) Microsoft Corp 1981-1993.  All rights reserved.

 Assembling: lab2.asm

Microsoft (R) Segmented Executable Linker  Version 5.31.009 Jul 13 1992
Copyright (C) Microsoft Corp 1984-1992.  All rights reserved.

Object Modules [.obj]: lab2.obj/t
Run File [lab2.com]: "lab2.com"
List File [nul.map]: NUL
Libraries [.lib]:
Definitions File [nul.def]:

D:\>debugx LAB2.COM
-r
AX=FFFF BX=0000 CX=0026 DX=0000 SP=FFFE BP=0000 SI=0000 DI=0000
DS=0863 ES=0863 SS=0863 CS=0863 IP=0100 NV UP EI PL ZR NA PE NC
0863:0100 8D361C01          LEA     SI,[011C]                    DS:011C=0002
```

```
-d 2019:0744
2019:0740              26 00 2B 46-F8 F7 D8 B1 04 D3 E0 01    &.+F........
2019:0750   46 F6 8B 46 FE 89 46 F8-FF 36 1E 36 A1 1A 36 8B  F..F..F..6.6..6.
2019:0760   16 1C 36 05 06 00 83 D2-00 52 50 B8 01 00 50 E8  ..6......RP...P.
2019:0770   2A 21 B8 08 00 50 8D 46-F2 50 E8 6D FA 8B 46 06  *!...P.F.P.m..F.
2019:0780   50 57 E8 D3 FD 5E 5F 8B-E5 5D C2 04 00 90 55 8B  PW...^_..]....U.
2019:0790   EC 83 EC 08 57 56 C7 46-F8 00 00 9A F4 A2 F2 20  ....WV.F.......
2019:07A0   2D 00 04 D1 E8 D1 E8 8B-C8 D1 E0 D1 E0 50 8B F1  -............P..
2019:07B0   9A 24 A8 F2 20 5B 8B F8-3B 36 2C 42 73 0A B8 E6  .$.. [..;6,Bs...
2019:07C0   0F 50 9A 96        -                             .P..
```