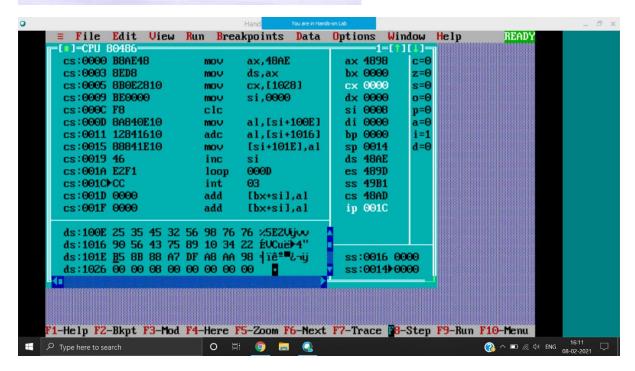
# Lab 2

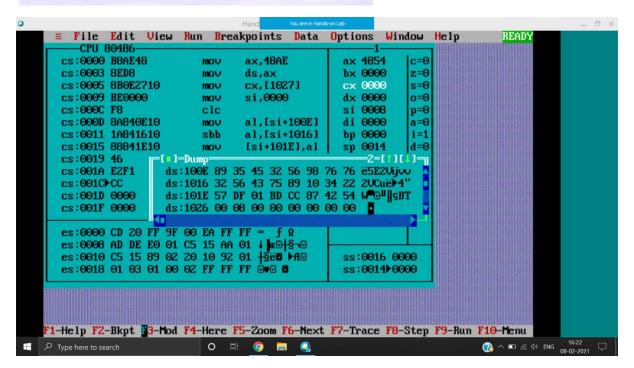
P1:

```
P1: MODELS MALL
   · STACIC 20
    DATA
    org 1000 4
 NUMI DB 254, 354, 454, 324, 564, 984, 764, 764
NUM2 08 904, 564, 434, 754, 891, 104, 344, 224
   ANS DB 10 DUP(?) (03900 P 80 2VM
    COUNT DW 84
   . CODE
    START:
   MOV AX, @ DATA
     MOV DS, AX
     MOV CX, COUNT
     MOV SI, ON
      CLC
     REPEAT:
      MOV AL NUMIESI) TA 3935
      ADC AL, NUMA [SI] IMUM AN VOM
      SBB AL NUMBERA, (12) 2NA VOM
      INC 81 JA C1232MA VOM
      LOOP REPEAT
      INT 3 TABLEAT 8 TAB
      END START
```



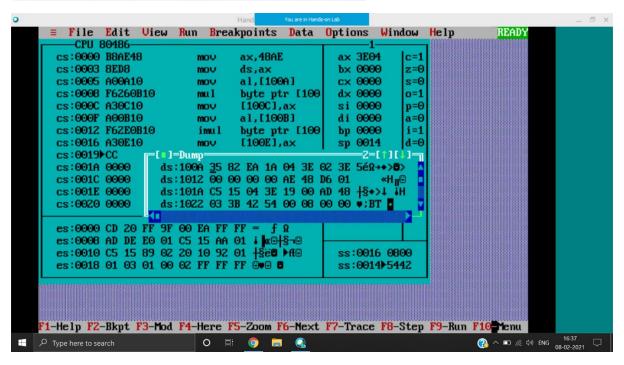
# P2:

```
P2. MODEL SMALL
   · STACK 20
   · DAT A
   Org 1000 H
   NUMI DB 89h, 35h, 45h, 32H, 564, 98h, 76h, 76h
   NUMA DB 32h, Son, 43h, 75h, 89h, loh, 344, 224
   ANS DB 9 DUPCOS (5) 940 SI 20 244
    COUNT DW 8H
    CODE
    START
     MOV AX, @ DATA
     MOV DS, AX
     MOV CX, COUNT
     MOV SI, ON
      CLL
      CLC STABILIST REPEAT: (183 IMVIV JA VOM
      MOV AL, NUMS CO23 I MUN , JA VOM
      SBB AL, NUM 2 CSD IN MA WOM
      MOV ANSSSIJ, AL
       LOOP REPEAT
       INT 3
       END START
```



# P3:

```
P3: model small
   · Stark 20
   · data
   org 1000n
   NI DB 35H
   N2 DB 82H NOOED XA VOM
Un-Lign- PROD DW? AA 20 VOM
    Sign_PROD DW?
    . CODE
    START:
    MOV AX, @DATA
    MOU DS, AX
    MOV AL, NI
     MUL NZ
    Mov un Lign-Pood, Ax THERE SINT
    MOV AL, NI NOORO XA VOM
I MUL Na AA 20 VOM
     MOV Lign- PROD, AXIVOIDO 12 VOM
     INT 3 HOSOO IS VOM
     END START
```



DS:100AH

# Ex 1

```
Ex | model small
   · Stack 20
   · data.
   . code
    START!
    MOV AX, 0300 H
    MOU DS, AX
    MOV SI, 6000 Y
     MOV DI, 0010 H
    MOV CL, 044
     REPEAT!
     MOV AL, ESIJ
     MUL CDI]
     INC SI
     DEC CL
     JNZ REPEAT of Lord mystery you
     MOV Ax, OBOON
     MUV DS, AA
      MOV SI, 0010 NXA 6029 - MAL WOM
     MOV DI, 0020 H & THI
MOV CL, 04 H TEATL AND
      XI
      MOV AL, EST)
      MOV EDIZ, AL
      INC SI
      INE DI
       DEC CL
       DEC CL
JNZ XI INT 3 END START
```

```
READY
 cs:002E>CC int 03
cs:002F 0003 add [bp+di],al
cs:0031 0324 add sp,[si]
cs:0033 00D2 add dl,dl
cs:0035 46 inc si
cs:0036 0003 add [bp+di],al
cs:0038 DF01 fild word ptr[bx+d]
cs:003A C515 lds dx,[di]
cs:003C 3903 cmp [bp+di],ax
cs:003E 2F das
cs:003F 00AD4847 add [di+4748],ch
cs:0043 3200 xor al,[bx+si]
cs:0047 0000 add [bx+si],al
cs:0049 0000 add [bx+si],al
                                                                                                     ax 0339
                                                                                                                      c=1
                                                                                                     b× 0000
                                                                                                                      z=1
                                                                                                     cx 0000
                                                                                                                       s=0
                                                                                                     d \times 46D2
                                                                                                                       o=0
                                                                                                     si 0014
                                                                                                                      p=1
                                                                                                     di 0024
                                                                                                                       a=0
                                                                                                     bp 0000
                                                                                                                       i=1
                                                word ptr[b×+di]
                                                                                                     sp 0014
                                                                                                                      d=0
                                                                                                     ds 0300
                                                                                                    es 489D
                                                                                                     ss 48B0
                                                                                                    cs 48AD
                                                                                                     ip 002E
   ds:0300 E8 BE OF 5D CB 55 8B EC 🛂 * 1 ਜU ï ∞
                                                                                                    ss:0016 0000
   ds:0308 81 EC 8A 00 56 57 8B 46 ü∞è ÜWïF
                                                                                                     ss:0014>0000
   ds:0310 0A 40 3D 02 00 73 05 33 \bullet0=0 s\phi3 ds:0318 C0 E9 DC 00 8B 5E 06 D1 \bullet0 \bullet \bullet7
                                                                                                     ss:0012 3247
                                                                                                     ss:0010 48AD
   ds:0320 E3 F7 87 F4 77 00 80 74 π≈ς ſw Çt
                                                                                                     ss:000E 002F
F1-Help F2-Bkpt F3-Mod F4-Here F5-Zoom F6-Next F7-Trace F8-Step F9-Run F10-Menu
```

# Ex2

```
EX2. MODEL SMALL

STACK RO

DATA

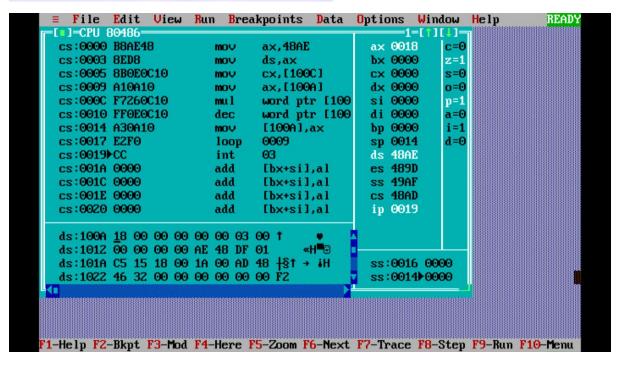
ORG 1000 H

RES DW 1 H

COUNT DW 4 H

RES DW 1 H

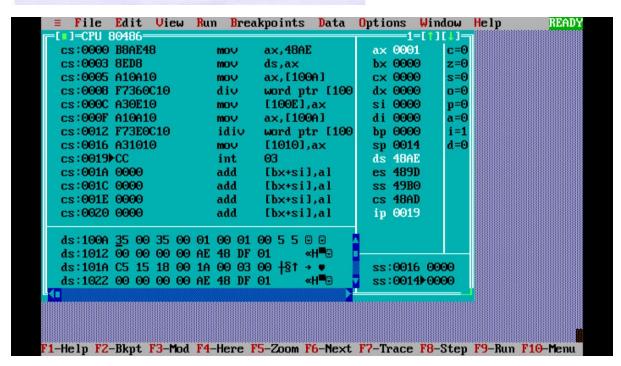
RE
```



DS:100AH

# Ex 3:

```
Ex 3. model small
   · stark 20
   · data
   org 1000 H
    NI DB 354
    NA DB STATE HE WE THOUSE
    UNSIGN - DIV DW?
    SIGN_DIV DW?
   . CODE
    START:
    MOV AX, @ DATA
    MOV DS, AX
    MOV AL, NI
     DIV N2 Thus sad
     MOV UNSIGN_DIV, AXXA 239 VOM
     Mov AL, N2 TA3939 7001
     IDIV NZ
     MOV SIGN-DIV, AX TARTZ MA
     INT 3
      END START
```



DS:100AH