```
HIT IN THE ISSUED
· MODEL SMALL
 DISPLAY MACRO MSG.
 LEA DX, MSG
 MOV AH, 09H
 INT 21H
 ENDM
· DATA
 LIST DB 02H, 01H, 34H, 0F4H, 09H, 05H
 NUMBER EQU &-LIST
 MSGL DB ODH, DAH, " $1 - SORT IN ASCENDING ORDER $"
           ODH, OAH," 2- SORT IN DESCENDING ORDER $"
 MSG2 DB
 MSGR3 DB ODH, OAH, " 3-EXIT 5"
 MSQ4 DB ODH, OAH, " ENTER YOUR CHOICE: $"
MSQ5 DB ODH, OAH, " INVALID CHOICE ENTERED ... $"
                                   Dug Tively : 1103211
       : MOV AX, @ DATA
. CODE
         MOV DS, AX TOTAL DE HIND IT YOLL
 START
          MOV CH, NUMBER-1 ; STORES THE NUMBER OF ELEMENTS IN LIST
         LEA SI, LIST
          DISPLAY MSG.1; DISPLAY THE MENU...
          DISPLAY MSGS INTO ME
          DISPLAY MSG4
          MOV AH, DIH
          INT 21H
                        1 . 1A - 1M 1
                         ; INPUT = 1 9 SORT IN ASCENDING ORDER
          SUB AL, 30H
          CMP AL, OIH
                ASCSORT
           TE
           CMP AL, D2H ; INPUT = 2 ? SORT IN DESCENDING ORDER
               DESSORT.
           JE
                          INPUT = 3 ? EXIT
           CMP AL, 03H;
                FINAL
            JE
```

HENE PH

1111

```
DISPLAY MSG 5
     JMP FINAL
     ASCSORT :
               MOV BL, OOH
               MOV ST, OFF SET LIST
     AGRAIN
                MOV CL, OOH ; I VALUE
                MOV BH, CH
                   BH, BL ; N-1-2
                SUB
               NPASS: CMP CL, BH
                     JNC NEXT
                                                HIMR THEM
                      MOV AL, [SI]
                      MOV B1, 014
                      CMP AL, DS: [BP][SI]
                                               HED HA WIN
                      JC_NOPE
                                                   HILL I'M
                      XLEBON X CHG AL, [SI+1]
                                                     HILLER
                          XCHGZ [SI], AL
                       -NOPE : TINC CLIVE MO HO HI TELL
                                INC SI THE PURT HAILUM
               1 110 10 2 41 111 11 1 1 1 MP NPASSIMO HOLD IN
                       NEXT ! INCBL : 1110 1110 40 . 124
                               CMP BL, CH . 1140 1100
                     A PROMO POST CHACKAIN WAS THE TO BE FORM
             PASSE DI ODIL SILI JANT CHO TINAL LINO 10 JOSE
      DESSORT: MOVBL, OOH
                MOV SI, OFFSET LIST WITH DIAN YOM: THE
                MOV CL, OOH , I VALUE
                MOV BH, CH
CELLAN COMMITTEE
                SUB BH, BL , N-1-2 MUM OF VOLL
                     : CMPCL, BH
               NPASS1 :
                         INC NEXT
                         MOV AL, [SI] MYALISI
                         MOV BP, OIH HO IN YOM
                         CMP AL, DS: [Br][SI]
  TITLE ON A PROPERTY TO THE NOPEL
                       XCHG AL, [SI +1]
                       YCHG [SI], AL
  FIG 10 SA THE WILL - NOPEL THE WELL
                                 INC SI
                          CMI ESSAGN AME INIT
                    NEX1: INC BL
                           CMP BL, CH
                                     1 Wit
                  FINAL : MOV AH 4CH
                       END START (2)
```