```
, MODEL SMALL
  MACRO TO DISPLAY THE MESSAGE
                         insorre bugines + 1889 11 miles VIC
  DISPLAY MACRO MSG
        LEA DX, MSG
                                            addition bearage shari-
        MOV AH, 09H
        INT AIH
 ENDM
 .DATA . IN THE STREET
 HILL TELL HOLLHED HED HID BO ISIT
 NUMBER EQU ( }-LIST ) : number here is having
KEY DB 10H
MIGH DB ODH, DAH, "ELE FOUND IN THE LIKT .... }"
MSG2 DB ODH, OAH, "ELE NOT FOUND IN THE LIST $"
. WDE
START: MOVAX, QDATA
      XA, 20 VOM
      MOV CH, NUMBER -1 ; HIGH VALUE .... 6-1=5
      MOV LL, DOH
                          ; LOW VALUE
AGAIN: MOU SI, OFFSET LIST
      XOR AX, AX
                  A ; LEA SILIST
      CMP CL, CH
                   HOO, *A VOM
      JE NEXT
      JNC FAILED
NEXT : MOV AL, LL
                    ; AL= OOH
      ADD AL, LH
                    ; AL = 00 +05 -05
      SHR AL, OIH
                             ; DIV BY 2 ---> AL will have the index of mid ele
      MOV BL, AL
                     ; BL → index of mid ele
      XOR AH, AH
                     ; clear AH
     MOV BP, AX
     MOV AL, DS: (BP)[SI]
     (MP AL, KEY
     JE SUCCESS 1; compare by and A[1]
     IC INCLOW
                  if equal, Display success mag
     MOV (H, BL
                      ; 1] key > A (1) shift high
      DEC (H ; (H will have index of mid-1 ele (Search from low to mid-)
      JMP AYAIN
 INCLOW: MOV KL, BL
                (1 ; CL will have index of mid +1 ela (search from mid+1 to high)
          JMP AYAIN
                                                       Scanned with CamScanner
```

FAILED: DISPLAY MSha

FINAL : MOV AH, 4CH

HIS THI

END START