```
. MODEL SMALL
 : MACRO TO DISPLAY THE MESSAGE ....
 DISPLAY MACRO MEC
        LEA OX, MSC
         MOU AH, OPH
         INT ZLA ZLH
  MON3
. DATA
 NUMBER EQUICS-LIST); rumber here is having the value 6
 MSQL OB ODH, OAH, " ELEMENT FOUND INTHE LIST __ $"
 MSGZ OB ODH, OAH, "SEARCH FAILED!! @ ELEMENT NOT
                                   FOND IN THE LIST & "
 . COOE
 START: MOV AX, @DATA
        MON CH, NUMBER-I; HIGH VALUE - HERE VALUE IS
       mov os, Ax
                                                6-7-2
                          LOW UALUE -- -
        MON CL, OOH
ACAIN: MOU SL, OFFSET LIST; LEA SL, LIST
          yor Ax, Ax; MOU AX, GOH
          emp cloch; SUBSTRACTION OF CL-CH.
           JE NEXT
           JNC FAILED.
         MOU AL, CL ; AL = OOH
 NEXT:
                        AL = 00 +05 =05
         SHR AL, OIH; DIVIDE BY 2 ---> AL will have
                                       midpoint.
         MOV BL, AL; BL = andong of middle donard.
                             domart.
                       : CLEAR AH
         XOR
```

AH, AH

BP J AX

AL, OS: CBPJCSIJ

MOU

MOU

TE SUCCESS; IF Equal, Display Success message

JC INCLOW.