ATHARVA YADAV

ROLL NO : 127

BATCH : S23

MPL ASSGINMENT NO.7

AIM:MOVE SET OF NUMBERS FROM ONE MEMORY BLOCK TO ANOTHER

```
DATA_SEG SEGMENT
  SRCARY DB 89H , 11H , 22H , 33H , 44H
  DESARY DB 5 DUP (0)
DATA_SEG ENDS


CODE_SEG SEGMENT
        ASSUME CS:CODE_SEG , DS:DATA_SEG

 START:
        MOV AX , DATA_SEG   ;INITIALIZE THE DATA SEG
        MOV DS,AX


        MOV SI , OFFSET SRCARY  ;INITIALIZE POINTER TO SOURCE ARRAY  or ; LEA SI , SRCARY
        MOV DI , OFFSET DESARY  ;INITIALIZE POINTER TO DESTINATION ARRAY  or ; LEA DI , DESARY
         MOV CL , 05H                   ;SET THE COUNTER TO 5


   AGAIN : MOV AL , [SI]        ;READ THE ELEMENT FROM THE SOURCE ARRAY
                MOV [DI] , AL                ;STORE THE ELEMENT IN AL TAKEN FROM THE SOURCE ARRAY TO DESTINATION ARRAY
                INC SI
                INC DI
                DEC CL                      ; DECREMENT THE COUNTER
                JNZ AGAIN


        MOV AH ,4CH  ;EXIT TO DOS
        INT 21H
CODE_SEG ENDS

END START
```

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●   JNZ AGAIN

►   MOV AH ,4CH   ;EXIT TO DOS
●   INT 21H
CODE_SEG ENDS

END START

```
─[■]=Dump══════════════════════════3═[↑][↓]─┐
 ds:0000 89 11 22 33 44 89 11 22  ë◄"3Dë◄"
 ds:0008 33 44 00 00 00 00 00 00  3D
 ds:0010 B8 7C 08 8E D8 BE 00 00  ┐¦╓Ä╠┴
 ds:0018 BF 05 00 B1 05 8A 04 88  ┐♀ ╢è◆ê
```

─Watches──────────────────────────────────────2──

F1-Help F2-Bkpt F3-Mod F4-Here F5-Zoom F6-Next F7-Trace F8-Step F9-Run F10-Menu