



Q 7) Verify if "Block1" is a Palindrome.
If yes, make "Pal = 1" in Data Seg.

Data SEGMENT

```
Block1 DB 'ABCDEEDCBA'  
Pal DB 00H
```

Data ENDS

Extra SEGMENT

```
Block2 DB 10 Dup(?)
```

Extra ENDS

Code SEGMENT

```
        ASSUME CS: Code, DS: Data, ES: Extra  
        MOV     AX, Data  
        MOV     DS, AX  
        MOV     AX, Extra  
        MOV     ES, AX  
  
        LEA     SI, Block1  
        LEA     DI, Block2 + 9  
  
        MOV     CX, 000AH  
Back:   CLD  
        LODSB  
        STD  
        STOSB  
        LOOP   Back  
  
        LEA     SI, Block1  
        LEA     DI, Block2  
        MOV     CX, 000AH  
        CLD  
REPZ    CMPSB  
        JNZ     Skip  
        MOV     Pal, 01H  
  
Skip:   INT3  
  
        Code ENDS  
  
        END
```