

PROGRAM

.MODEL SMALL

.STACK

.DATA

D1 DB 100 DUP("\$")

D2 DB 0AH,0DH,"ENTER THE STRING: \$"

D3 DB 0AH,0DH,"STRING IS PALINDROME \$"

D4 DB 0AH,0DH,"NOT PALINDROME \$"

.CODE

START:

MOV AX,@DATA

MOV DS,AX

LEA DX,D2

MOV AH,09H

INT 21H

LEA DX,D1

MOV AH,3FH

INT 21H

SUB AX,02H

MOV SI,AX

DEC SI

MOV CX,AX

MOV DI,00H

L1:

MOV AH,D1[DI]

CMP AH,D1[SI]

JNE L2

INC DI

DEC SI

LOOP L1

LEA DX,D3

MOV AH,09H

INT 21H

JMP L3

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L2:      LEA DX,D4
          MOV AH,09H
          INT 21H

L3:      MOV AH,4CH
          INT 21H

END START
```

OUTPUT

```
ENTER THE STRING: AMMA
STRING IS PALINDROME
ENTER THE STRING:AMMU
NOT PALINDROME
```