LAB4 - To check whether the strong is a palindrome

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- MODEL SMALL

DISPLAY MACRO MSG

LEA DY, MSG

MOV AH, D9H

INT 214

ENDM

· DATH

MSG1: DB ODH, DAH, "ENTER A STRING IS A PALINDROME \$"

MSG2 DB ODH, DAH, "ENTERED STRING IS NOT A MINDROME \$"

STR DB OH DUP(0)

REVSTR DB OH DUP(0)

LEN DW O

· LODE

MOV AX, @DATA

DISPLAY MSG12

MOV Sĩ, OOH

BACKI: MON AH, OIN

INT 21H

CMP AL, ODH

JZ SENEXT

MOV STR[SI], AL

MOV STR [SE], AL

INC SI

8

8

9

- 40

E

INC LEN

JED JMP BACKS

NEXT: MOV SI, DOH

MOV DI , DOH

ADD DI, LEN

DEC DI

MOV CX, LEN

BACK 2: MOV AL, STR [S] ]

MOV REUSTR (OIT, AL

INC SI

DEC DI

WOP BACK 2

MOV CX, LEN

MOV SI, OOH

MOV DI, DOH

BACKS: MOV BL, STR [SI]

CMP BL, REVSTR CDIJ

JNZ NOTPALI

WOP BACK3

DISPLAY MS 612

IMP LAST

NOTPALI: DUPLAY MSG3

LAST: MOV AM, YCH

INT 214

END