

LAB-4 - Pallindrome.

• model Small

DISPLAY MACRO MSG

LEA DX, MSG

MOV AH, 09H

INT 21H

END M

• DATA

MSG 1 DB 0DH, 0AH, "Enter a string: \$"

MSG 2 DB 0DH, 0AH, "Entered String is a pallindrome \$"

MSG 3 DB 0DH, 0AH, "Entered String is not a pallindrome \$"

STR DB 10H DUP(0)

REVSIR ~~MSG~~ DB 10H DUP(0)

LEN DW 0

• CODE

MOV AX, @DATA

MOV DS, AX

DISPLAY

DISPLAY MSG 1

MOV SI, 00H

BACK1: MOV AH, 01H

INT 21H

CMP AL, 0DH

JZ NEXT

~~MOV EBX, [SI]~~

MOV STR[ESI], AL

INC SI

INC LEN

JMP BACK1

NEXT: MOV SI, 00H

MOV DI, 00H

ADD DI, LEN

DEC DI

MOV CX, LEN

BACK2: MOV AL, STR[ESI]

MOV REVSTR[DI], AL

INC SI

DEC DI

LOOP BACK2

MOV CX, LEN

MOV SI, 00H

MOV DI, 00H

CD

BACK3: MOV BL, STR[ESI]

CMP BL, REVSTR[DI]

JNZ NOT PAIR

LOOP BACK3

DISPLAY MSG2

JMP LAST



NOTPAU: DISPLAY MSG3

LAST: MOV AH, 4CH

INT 21H.

END