

, MODEL SMALL

DISPLAY MACRO MSG

LEA DX, MSG

MOV AX, 09H

INT 21H

ENDM

.DATA

MSG1 DB 0DH, 0AH, "ENTER A STRING :-"

MSG2 DB 0DH, 0AH, "ENTERED STRING IS PALINDROME"

MSG3 DB 0DH, 0AH, "ENTERED STRING IS NOT A PALINDROME"

STR DB 10H DUP(0)

REVSTR DB 10H DUP(0)

LEN DW 0

.CODE

MOV AX, @DATA

MOV DS, AX

DISPLAY MSG1

MOV SI, 0DH

BACK1: MOV AX, 01H

INT 21H

INC A2, 0DH

JZ NEXT

IBM19CS/67

JWADDP. S. JADUN

MOV STR[SI], AL

INC SI

INC LEN

JMP BACK1

NEXT : MOV SI, 00H

MOV DI, 00H

ADD DI, LEN

DEC DI

MOV CX, LEN

BACK 2: MOV AL, STR[SI]

MOV REVSTR[DI], AL

INC SI

DEC DI

LOOP BACK 2

MOV CX, LEN

MOV SI, 00H

MOV DI, 00H

(LD

BACK 3: MOV BL, STR[SI]

CMP BL, REVSTR[DI]

JNZ NOTPAL1

LOOP BACK 3

DISPLAY MSG 2

JMP LAST

NOTPAL1 : DISPLAY MSG 3

LAST : MOV AH, 4CH

INT21H

END