

ASCII :

.model small

.data

msg1 db 0dh,0ah , "Enter the Element \$"

res db 02 dup(0)

.code

mov ax,@data

mov ds,ax

lea dx,msg1

call disp

mov ah,01h

int 21h

mov bl,al

mov cl,04

shr al,cl

cmp al,0ah

jc digit

add al,07h

digit:

add al,30h

mov res ,al

and bl,0fh

cmp bl,0ah

jc digit1

add bl,07h

digit1:

add bl,30h

mov res+1,bl

mov ah,00h

mov al,03h

int 10h

mov ah,02h

mov bh,00h

mov dh,0ch

mov dl,25h

int 10h

mov res+2 , '\$'

lea dx,res

call disp

mov ah,4ch

int 21h

disp proc near

lea dx,res

call disp

mov ah,09h

int 21h

ret

disp endp

end

PALLINDROM:

.model small

display macro msg

lea dx,msg

mov ah,09h

int 21h

endm

.data

msg1 db 0dbh,0ah , " Enter STRING \$ "

msg2 db 0dbh,0ah , " Reverse String \$"

msg3 db 0dbh,0ah , " this is Palindrom \$"

msg4 db 0dbh,0ah , " not a plaindrom \$"

string db 80h dup(?)

restring db 80h dup(?)

.code

start :

mov ax,@data

mov ds,ax

display msg1

mov si,offset string

xor cl,cl

again:

mov ah,01h

int 21h

cmp al,0dh

je next

MOV [SI],AL

inc si

inc cl

jmp again

next :

mov[si],byte ptr '\$'

dec si

mov ch,cl

mov di,offset restring

back:

mov al,[si]

mov [di],al

dec si

inc di

dec ch

jnz back

mov [di],byte ptr '\$'

display msg2

display restring

mov si,offset string

mov di,offset restring

ag:

mov al,[si]

cmp al,[di]

jne fail

inc si

inc di

dec cx

jz success

jmp ag

fail:

display msg4

jmp final

success :

display msg3

final:

mov ah,4ch

int 21h

end

0 Warning Errors
0 Severe Errors

C:\MASM>link pall.;

Microsoft (R) Overlay Linker Version 3.60
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LINK : warning L4021: no stack segment

C:\MASM>pall

Enter STRING siddu

Reverse String uddis
not a plaindrom

C:\MASM>pall

Enter STRING madam

Reverse String madam
this is Palindrom

C:\MASM>

SD Objects