	PAGE NO.
	DATE / /
	MP-lab
1.	Palin duome program
	model Emall
	display madro mag
	Jea da, meg
	mov sh, sqh
	int 21h
	endm
	. data
	msgl db Odh, Oah, "enter String: \$"
	I M SO N OLD DOWN DOWN, YEVEN CO CENTER OF T
	msg3 db odh, Oah, "input String is a
	msg3 db Odh, Oah, "input String is a palinduome String. \$"
	msga db odh, Oah, "input string is not a
	msga db odh, oah, "input string is not a palindrome string. \$"
-	string db 80h dup (?)
	rstring db 80h dup (?)
	, code
	Start: nov ax, @data
	mov ds, ax
	display msql
	display msql mov Si, off set String
	Xor a, a
	again: Mov ah, Olh
	int alh
	crip al, odh
	mov [si], al
	int si
	int cl

mext: mox [SI], byte pt7'\$'

; String input over....

dec si mor ch, d nov di, offset retning back: mov al, [Si] mor [di], al jnz back

mov [di], byte ptr'!

display msg 2

display rstring

mov si, off set string

mov di, off set ostring

ag: mov al, [si]

cmp al cmpal, [di] inc di Jail: display meg 1

jmp final

Suces: display meg 3

final: novak, 4th

int 21h and Start

	PAGE NO. DATE / /
2)	ASCI
	. model small
	. data
	migt db odh, Oak, "enter alphanemeric character
	\$"
	res db 02 dup (0)
	· code
	mov ax, @ data
	mov ds, ax
	lea dx, msg l
	can asp
	mov ah, olh int alh
	mov bl, al
,	prov cl, 4; : 3a = 334]
	Shr al, d; al = 3a al = 03 bl = 3a
	cmp al, Oah ; bl = 3a 30 04
	ic digit; 33 Da
	add al, 07h ; 41
	digit: add al, 30h
	mov res, al
	and bl, Ofh cmp bl, Oah
	jc digit!
	add 61, 07h
	digit1: add bl, 30h
	mov res +1, b1
	·
	mov ah, ooh
	mov al, 03h; text mode
	int 10h

mov ah, oah; set the cuesor postion mov bh, och; page No mov dh, och; row (oo is top) mov dl, 28h; rolumn val int loh

Mov res + 2, '\$'

lea dx, res

call disp

mov ah, Ach

int 21h

disp proc near nov ah, 09h int 21h ret. disp end p

<u>.</u>