	Lab Program
1)	Binary Search
	· model small
	; macro to display the message
	display macro msg
	ilea das
	lea dri mscy
	mov ah, ogh
	int 21 h
	endm
	data
	list dt 01H, 05H, 07H, 10H, 12H, 14H
	number equ (\$-list); number here is having the value 6
	key db 10H
91.4	msg1 db Odh, Oah, "Element found in the list \$"
1 was broke	msg 2 db odh, Oah, "Search failed!! Element not found \$"
1 420 (5)	The second of th
	·code
	Start: mov an @ data
	mov ds, an
	Pro A de la companya del companya de la companya del companya de la companya de l
	mov ch, number-1; high value 6-1-5
23 11	mov cl, ooh, low value
	again: moy si, offset list; lea si, list
	nor an, an ; mov an, ooh
	cmp cl, ch; subtraction of cl-ch
	je nent
	jne Pailed
	nent: mov al, cl , al: ooh

	add al, ch; al= 00+05=05
	shr al, oih; divide by 2 (al will have index middle element)
	mor bl, al ; "I - inder of middle element
	xor ah, ah clear ah
	mov bp, an
	mor al, ds: [bp][si]
	emp al, key; compare key and a list
	je success ; if equal display success message
	jc inflow
	mov ch, bl ; il key > a[i] shift high
	dec ch ; ch will have inden of middle-1 imp again clement (Search from Ilow to mid-1)
	jmp again element (Search from Olow to mid-1)
	indow: mov cl, bl ; if key < a li] shift low
	inc cl ; ch will have index of middle+1 jmb again element (Search from mid+1 to high)
-	jong again element (Search from mild+1 to high)
	success : display meg,
	jmp hnal
	failed: display msg,
	failed: display msg?
	final . may of 1.18
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	end start
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