	18m18cs216
	Yashaswini shah
	LABL: Binary Search
	3
	MODEL SMALL
	DISPLAY MACRO MSG
	LEA DX, MSG
	mov AH, OGH
	INT 214
	ENDM
	DATA
	UST DB OIH, 05H, 07H, 10H, 12H, 14H
	NUMBER EQU (\$-LIST)
	KEY DB LOH
	MSGI DB OOH, OAH, "ELEMENT FOUND IN THE LIST \$"
	MSGI DB ODH, OAH, "SEARCH FATLEDIII ELEMENT NOT
_	FOUND IN THE LIST \$ "
-	
_	· CODE
	START: MOV AX, @DATA
	mov Os & AX
	mov CH, NUMBER-1

mov CL, OOH

XOR AX, AX

CMP CL, CH

TE NEXT

AGIAIN: MOV SI, OFFSET LIST

INC FAILED

_	
	NEWT: MOV SI, CK
	ADD ALOCH
	SHR AL, OLH
	mov BL, AL
	XOR AH, AH
_	mov BP, AX
	MON AL, DS: [BP][SI]
	CMP ALOKEY
_	JE SUCCESS
	JC INGLOW
_	MOU CH, BL
_	DEC CH
	IMP AGAIN
_	
_	INGLOW: MOV CL, BL
	INC CL
	JMP AGAIN
_	SUCCESS: DISPLAY MSGI
_	IMP FINAL
_	
	FATLED: DISPLAY MSG2
	FINAL: MOV AH, 4CH
	INT 21H
	F120
	END START