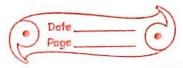
	Week 1:- Program Clab) - 1
14 10	Cudes have Plans have 1 01/100 (2)
101	· MODEL SMALL
1	; MACRO TO DISPLAY THE MESSAGE
	DISPLAY MACRO MSG 1716
	LEA DX, MSGIRE 180 1801
	MOV AH, O9H 10 MO LIM
	INT 21H (80 TM = 0.00
	ENDM COO MEX
	· DATA ECOD'
	LIST DB 014,054,074, 1041/124, 144 VOM
	NUMBER EQU (\$-LIST). number here is having KEY DR IDH the value 6
	KEY DB 10H the value 6
	MSG1 DB ODH, OAH, "ELEMENT FOUND IN THE LIST S" CHUK VIO
	MSG2 DB ODH, OAH, "SEARCH FAILED!!
	ELEMENT NOT FOUND IN THE LIST &" VOK
	· CODE
	START: MOV AX, @ DATA
	MOV DS, AX
	() CUD
	MOV CH, NUMBER-1; HIGH VALUE
	HERE VALUE IS 6-1=5
	MOV CH, OOH ; LOW VALUE
	Sudeshna



AGAIN: MOV SI, OFFSET LIST; LEA SI, LIST XOR AX, AX; MOV AX, OOH CMP CL, CH; SUBTRACTION OF CL-CH ENO START JE NEXT JNC FAILED MOVAL, CL ; AL=OOH NEXT: ADD AL, CH; AL = 00 + 05 = 05 SHR AL, OIH; DIVIDE BY2 -> MOV BL, AL; BL -> index of middle XOR AH, AH ; CLEAR AH MOV BP, AX MOV AL DS: [BP] [SI] CMP AL, KEY ; COMPARE KEY AND A[1] JE SUCCESS ; of Equal, DISPLAY SUCCESS MESSAGE JE INCLOW MOV CH, BL ; 2f KEY > ALI] SHIFT HIGH

DEC CH; CH will have index of middle-1 element JMP AGAIN INCLOW: MOVCL, BL 3 OF KEY < A[I] SHIFT LOW INC CL ; CL will have index of middle +1 element JMP AGIAIN SUCCESS : DISPLAY MSGI JMP FINAL FAILED: DISPLAY MSGIZ ; JOB OVER. TERMINATE Sudeshna A AUGITUUR ASSEN ASSEN ARUURLIS LUUS ASSA

	THE PARTY OF THE P
	Data Paga O
	FINAL: MOV AH, ACHO, TO MANY & MANY
	to MINT 21H & MARKE STORY
1.5-	TO THE CL, OF S CONTRACHORFER C
	END START TXSM TO
	CIE 11/17 DIGO Sudeshna
X -	X - XA CONTINX
	ZO- BO + CO- JA; KD, JA GOA
	SHR AL, OIN; DIVIDE BY 2 >
sal la	1. xel ni e = 16; 1A, 18 VOM 1