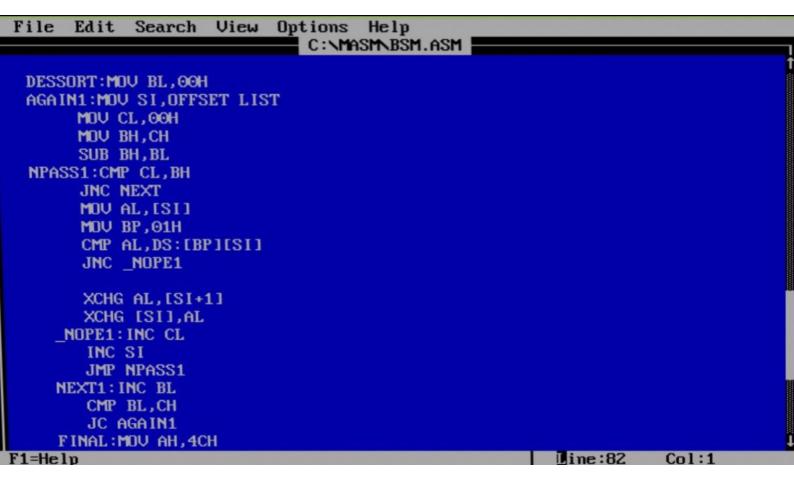
classmate S.R. POOJA IBML9CS 135 Bubble Sort -MODEL DISPLAY MACRO MEC LEA DX, MSQ MOU AH, 09H INT 21H ENDM ·DATA UST \$8 02H, OIH, 34H, OP4H, 09H, OSH NUMBER EQU \$- UST MSGI DB ODH, OAH, "I>>> SORT IN ASCENDING ORDER &" MSG2 DB ODK, OAH, "2>> SORT IN DESCENDING ORDERS" MSG 3 DB ODH, OAH, "3>> EXITS" MSQ 4 DB ODK, OAK, "ENTER YOUR CHOICE :: \$" MSas DB ODN, OAH, "INVAUD CHOICE ENTERED ... \$" · CODE START: MOU AK, @DATA MOV DS. Ax LEA SI, UST DESSORT: MOV BY, OOH AGAINI : NOV ST, OPFSET LIST MOV CLIDOH MOV BH, CH SUB BH, BL NPASSI: CMP CL, BH JNC NEXT MOV AL, [SE] MOV BP, OH CMP M, DS: [BP][SI] JNC _ NOPE ! xCHA AL, (SI+1) XCHG [SE] AL NOPE1: INC CL INC SI JMP NPASSI

	S.R.POOTA	
11/1/2	18M19CS135	
	. Inac	Holling
	NEXTI: INC BL	
	CMP BL, CH	227
	JC AGAINI	
	FINAL : MOV AH, 4CH	
	START: MOV AX, @DATA	
	MOV DS, AX	
	LEA ST, UST	
	MOV CH, NUMBER-1	1
	DISPLAY MSQ1	1
	DISPLAY MSG2	1
	DISPLAY MSQ3	1
	DOB DISPLAY MSG4	900
	MOV AH, OH	900 >
	PM 21H	
	SUB AL, 30H	
	CMP AL, OIH	MAGE
	JE ASSORT	X
	CMP AL, D2H	561
	JE DESSORT AMAT?	792990
	CMP AL, D3Y	
	JE FINAL	HEO
	Display MSQ5	
	JMP FINAL	MQo
	XCHG AL, [SE+1]	
	xchq [si], Al)A (
	_NOPE 1 : INC CL	
	Inc st	J
	JMP NPASSI	i.A.n
	NEXT : INC BL MIS	BIYU
	CMP BL, CH	
	JC AGAINI	
	PIMAL: MOV ALL, 4CH	
	ENT 21H	(37)
	END START	JA.
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```
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MODEL
DISPLAY MACRO MSG
       LEA DX, MSG
       MOV AH,09H
       INT 21H
   ENDM
.DATA
LIST DB 02H,01H,34H,0F4H,09H,05H
NUMBER EQU $-LIST
MSG1 DB ODH,OAH,"1>> SORT IN ASCENDING ORDER$"
MSG2 DB ODH,OAH,"2>> SORT IN DESCENDING ORDER$"
MSG3 DB ODH, OAH, "3>> EXIT$"
MSG4 DB ODH, OAH, "ENTER YOUR CHOICE ::$"
MSG5 DB ODH, OAH, "INVALID CHOICE ENTERED...$"
.CODE
       MOV AX, @DATA
START:
       MOU DS, AX
       LEA SILLIST
```

Uptions Help

View





File Options Help Edit View Search C:\MASM\BSM.ASM XCHG AL, [SI+1] XCHG [SI],AL _NOPE1: INC CL INC SI JMP NPASS1 NEXT1: INC BL CMP BL, CH JC AGAIN1 FINAL: MOV AH, 4CH INT 21H END START

C:\MASM>CU BSM 1>> SORT IN ASCENDING ORDER 2>> SORT IN DESCENDING ORDER 3>> EXIT ENTER YOUR CHOICE ::1 C:\MASM>CU BSM 1>> SORT IN ASCENDING ORDER 2>> SORT IN DESCENDING ORDER 3>> EXIT ENTER YOUR CHOICE ::2 C:\MASM>EDIT BSM.ASM C:\MASM>_

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)52A	:00A7	F4				H	LT												I
952A	:00AB	ODOA	31			01	R		AX,	31	0A								S
952A	:00AB	3E3E	205	34F		Al	ND		Byt	e	Ptr	DS:	LBI	+D1	+4F	II, LI			E
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	:00B1						USH		SP										L
	:00BZ						ND					[B>							D
	:00B5		.53				ND			e	Ptr	[B>	<+D)	1+53	31,6	aL .			E
	:00B8						NC		BX										S
	:00B9						HC		BP										C
	:00BA						EC		SI										1
	:00BB						NC		SP										F
	:00BC						EC		CX										
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