110	
	SORT A GIVEN SET OF 'N' number in
and the state of t	Ascending & Descending order wing
and the same	Bubble Sort Algorithms.
	· Model SMALL
	2010 1
escence mode.	DISPLAY MACRO MSG
	LEA DX, MSG
	MOV AH, 09H
	INT 21H
	EDM
	· DATA
	2 IST DB 024, 014, 34 H, 0F4 H, 09 H, 05 H
	NUMBER EQU J-LIST
	MSGI DIS ODH, OAH, "1>> SORT IN ASCENDENT ORDER \$" MSGI DIS ODH, OAH, "2>> SORT IN DESCENDING ORDER \$" MSGI DB ODH, OAH, "2>> SORT IN DESCENDING ORDER \$"
	MSQ2 DB ODH, OHH, 23) SOLT FN DESCENDED
	MSG 3 DB ODM, OAH, "3>> EXIT\$" MSG 4 DB ODM, OAM, "ENTER YOUR CHOICE :: "
	· CODE
	· CODE
	START: MOV AX, GDATA
	MOV DS, AY
	LEA SI, LIST
	MOV CH, NUMBER - J
	DISPLAY MSq 1
	DESIPLAY MSGZ
	DISPLAY MSG3
	DISPLAY MSG 4
	MOY AM, DIH
	INT 21H
	SUB, AL, 30H
	CMP AL, OIH
	JE ASCSORT
	II

CMP AL, 02H JE DESSORT CMP AL, 03H JE FINAL DISPLAY MSG5 JMP FINAL

ASCSORT: MOV BL, OUL ACAIN: MOV SI, OFFSET LIST MOV CL, OOH MOV BH, CH

SUB BH, BL

NPASS: CMP CL, BH JNC NEXT

MOV AL, ESI]

MOV BP, OIH

CMP AL, DS: [BP][SI] JC -NOPE XCHG AL, [SI+]

XCHG [SI], AL

- NOPE: INE CL

INCSIVA

JMP NPASS

NEXT; INC BL

CMP BL, CH JC AGAIN

JMP FINAL

DESSORT: MOV BL, OOH AGAIN! MOV SI, OFFSET LIST MOV BH, CH SUB BH, BL

	classmate	R
0	Date Page	
1		

Page
NPASSI: CMP CL, BH
JNC NEXT 1
MOV AL, [SI]
MOV BP, OIH
CMP AL, DS: [BP] [SI]
JNC _NOPE]
XCHG AL, [SI+1]
XCHG ESIJ, AL
-NOPEI: INC CL
INC SI
JMP NPASS1
NEXT 1 : IN C BL
CMP BL, CH
JC AGAINI
FINAL: MOV AH, 4CH
INT 21 1-1
END START
THE RESERVE THE RE