EXPERIMENT-5

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Group-I4

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**AIM**- Write a program to arrange a series in ascending order in 8086 microprocessor.

**PROGRAM-**

SARTHAK SEGMENT

STRING1 DB 99H,15H,63H,54H,32H

SARTHAK ENDS

BHATIA SEGMENT

ASSUME CS:BHATIA , DS:SARTHAK

START: MOV AX,SARTHAK

MOV DS,AX

MOV CH,04H

UP2: MOV CL,04H

LEA SI,STRING1

UP1: MOV AL,[SI]

MOV BL,[SI+1]

CMP AL,BL

JC DOWN

MOV DL,[SI+1]

XCHG [SI],DL

MOV [SI+1],DL

DOWN: INC SI

DEC CL

JNZ UP1

DEC CH

JNZ UP2

INT 03H

BHATIA ENDS

END START

**OUTPUT-**

Text

Description automatically generated

Table

Description automatically generated