

04/11/2020

LAB PROGRAM - 2

Q. Sort the contents of an array.

A. • MODEL SMALL

• DATA

N DB 6

A DB 05, 07, 04, 03, 06, 02

• CODE

MOV AX, @DATA

MOV DS, AX

LEA SI, A

MOV CL, N

DEC CL

OUTLOOP: MOV CH, CL
MOV SI, 00H

INLOOP: MOV AL, A[SI]
INC SI
CMP AL, A[SI]
JC NOEXCHANGE
XCHG AL, A[SI]
MOV A[SI-1], AL

NOEXCHANGE: DEC CH
JNZ INLOOP
DEC CL
JNZ OUTLOOP

MOV AH, 4CH
INT 21H
END