

Experiment No. 4

Write a program in 8086 microprocessor to reverse the array of five numbers. Array of numbers is given as: 03, 02, 07, 08, 01.

Program:

```
MOV CH, 02
MOV SI, 4000
MOV DI, 4004
ADD MOV AL, [DI]
MOV BL, [SI]
MOV [DI], BL
MOV [SI], AL
INC SI
DEC DI
DEC CH
JNZ ADD
INT 03
```

INPUT: 4000 - 03

4001 - 02

4002 - 07

4003 - 08

4004 - 01

OUTPUT: 4000 - 01

4001 - 08

4002 - 07

4003 - 02

4004 - 03