Bahria University,
Karachi Campus

LAB EXPERIMENT NO.
02

LIST OF TASKS

TASK NO	OBJECTIVE
1	Take any integer as input, if the number is greater than 5 print it If a>5, print a ; Else if a=0,then Halt ; Else if a<5 , then Halt.
2	Take two numbers as input and print the larger number.
3	Take input from user if A is greater than 5 then print A else terminate the program.
4	Take two numbers input if a > b then add i.e. c = a + b, else subtract i.e. c = a - b.
5	Input a number if A is greater than 5 then C = A - 5 otherwise end the program.

Submitted On:
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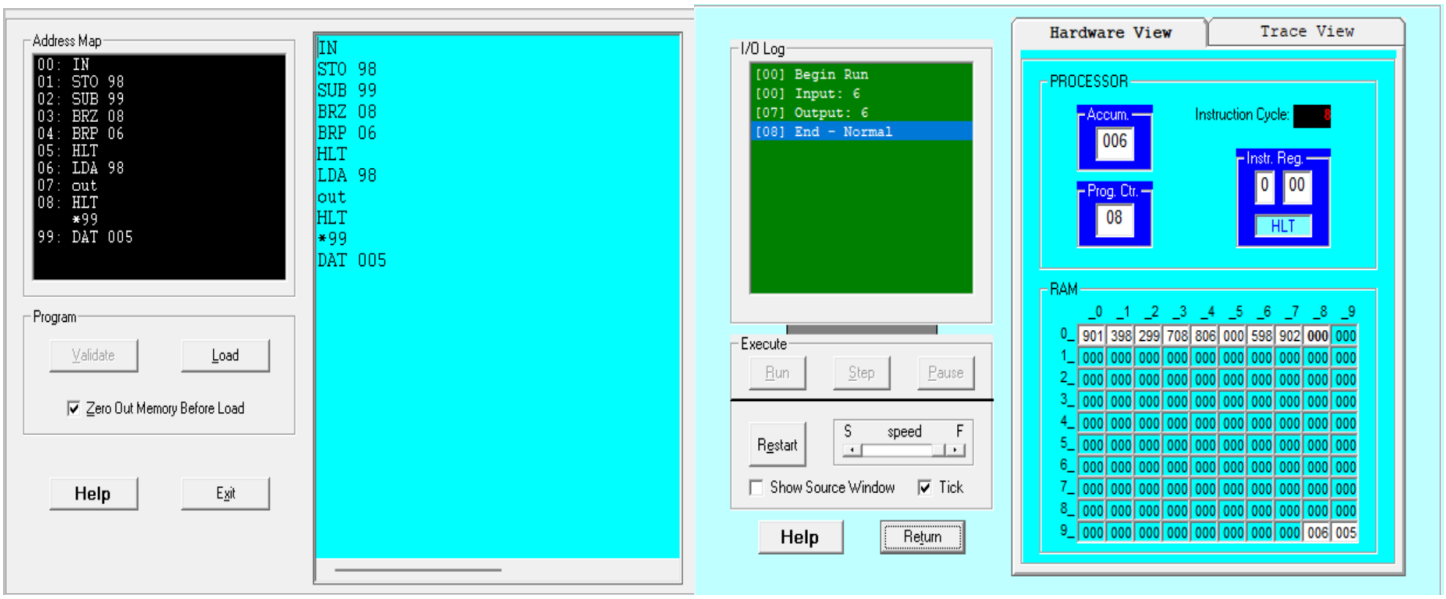
Task No. 1: Take any integer as input, if a>5, print a ; Else if a=0, then Halt ; Else if a<5 , then Halt.

Solution:

```
IN
STO 98
SUB 99
BRZ 08
BRP 06
HLT
LDA 98
out
HLT
*99
DAT 005
```

Output:



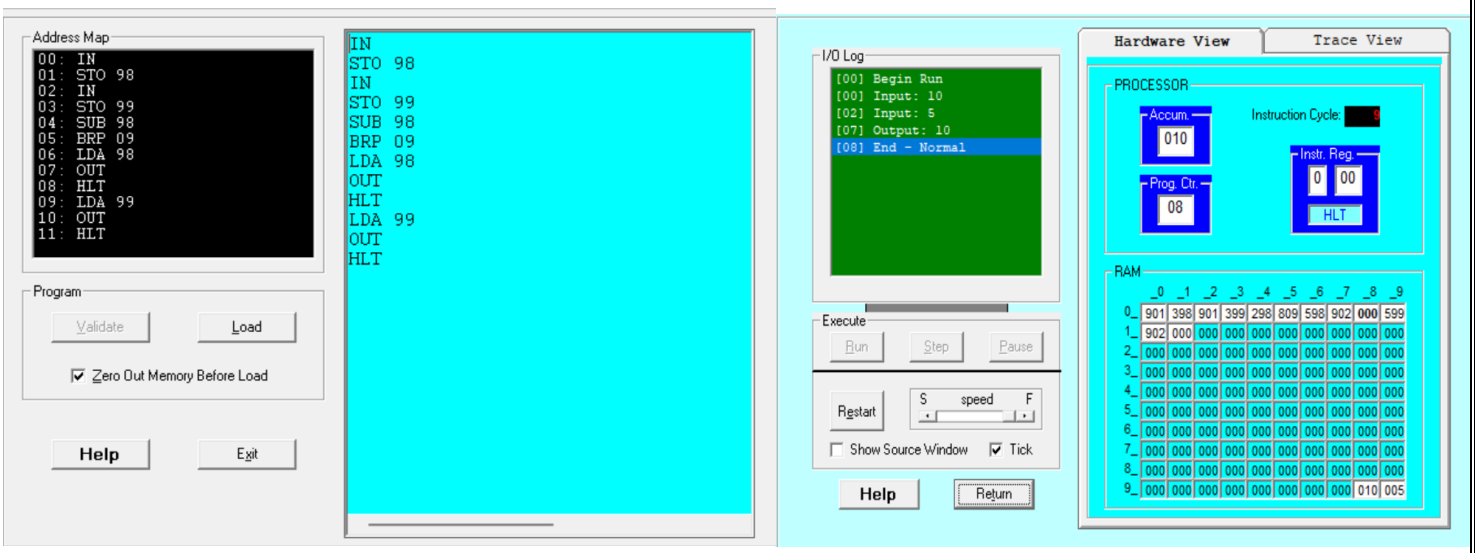
Task No. 2: Take two numbers as input and print the larger number

Solution:

```
IN
STO 98
IN
STO 99
SUB 98
BRP 09
LDA 98
```

```
OUT
HLT
LDA 99
OUT
HLT
```

Output:

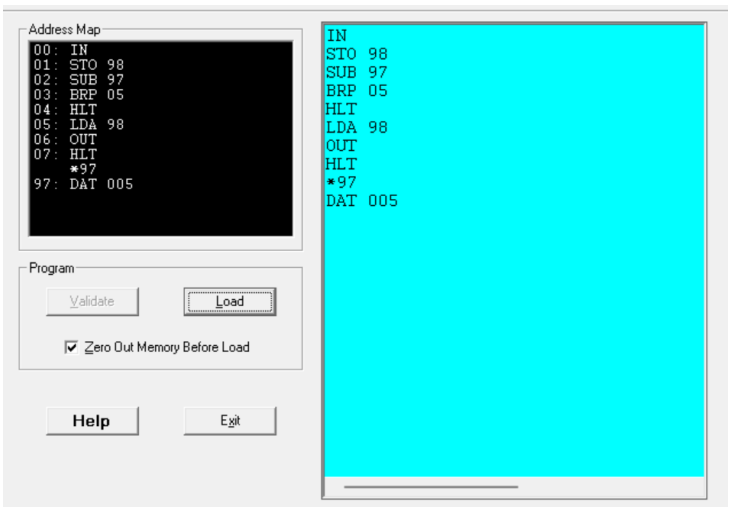


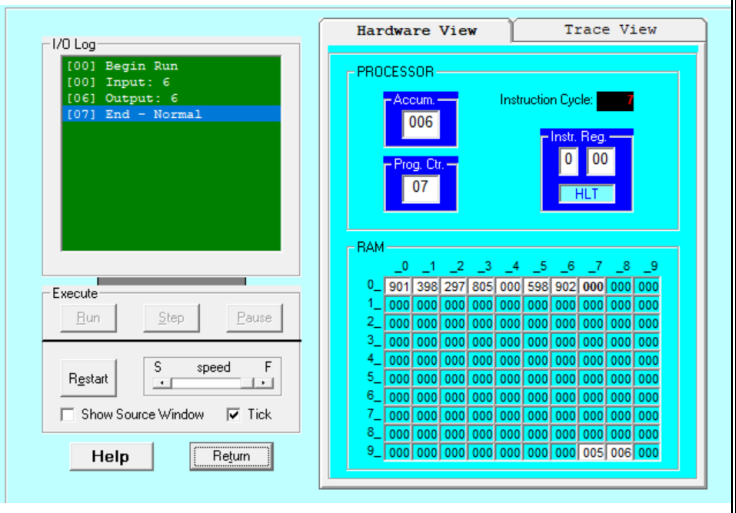
Task No 03: **Take input from user if A is greater than 5 then print A else terminate the program.**

Solution:

```
IN
STO 98
SUB 97
BRP 05
HLT
LDA 98
OUT
HLT
*97
DAT 005
```

Output:



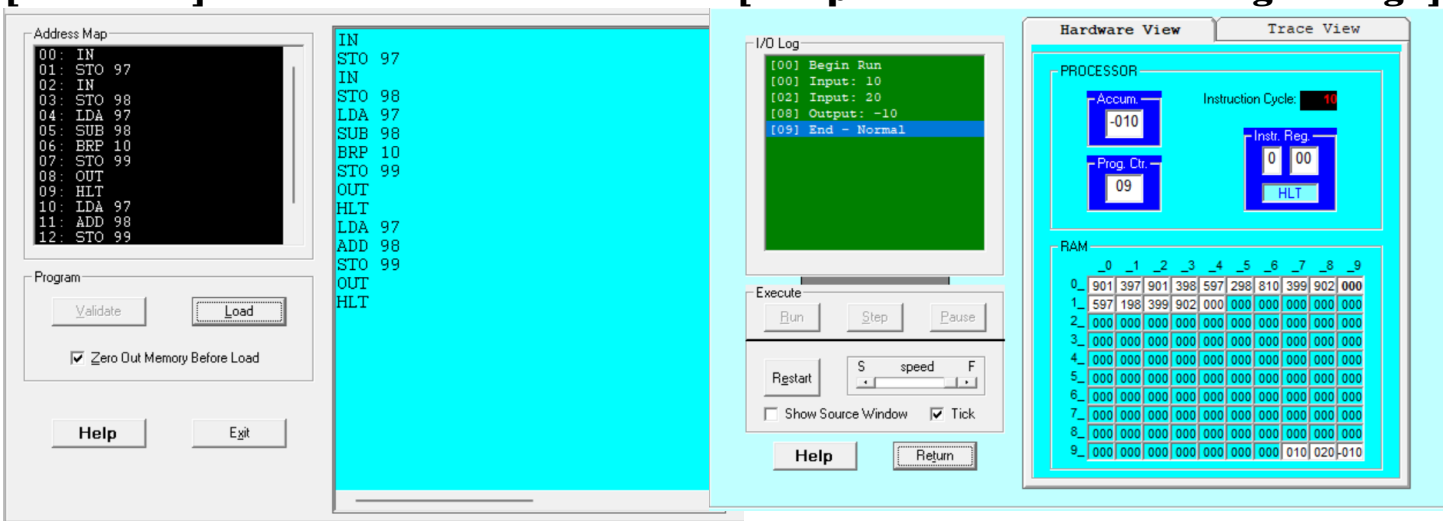


Task No 04: **Take two numbers input if a > b then add i.e. c = a + b, else subtract i.e. c = a - b.**

Solution:

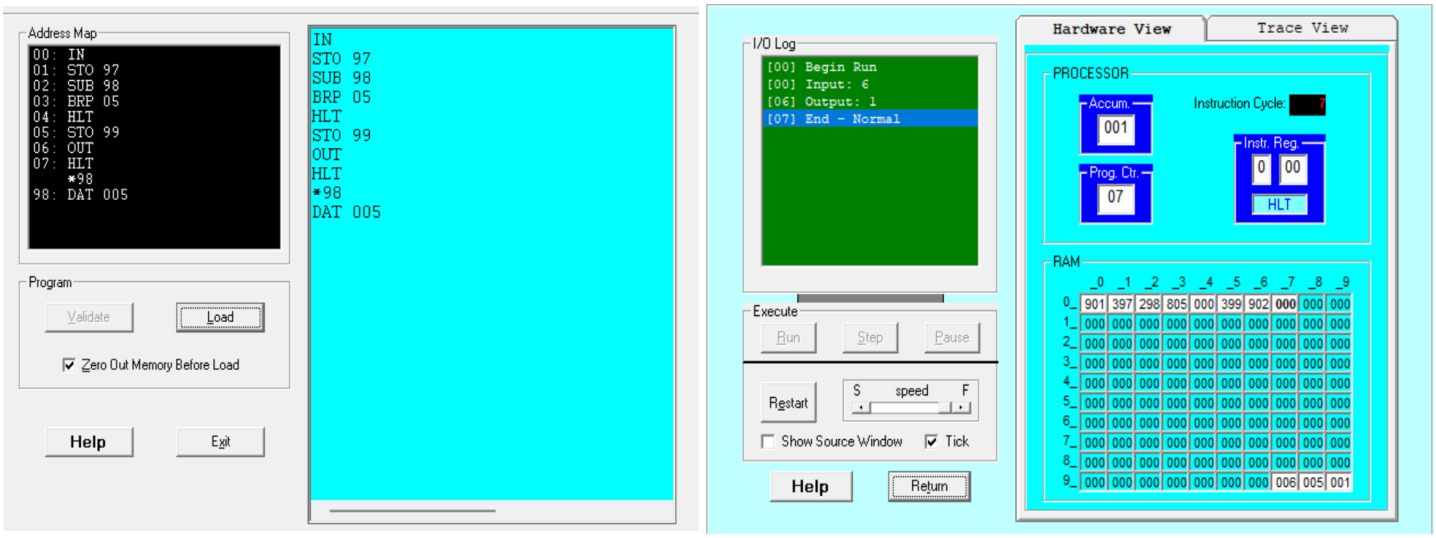
```
IN
STO 97
IN
STO 98
LDA 97
SUB 98
BRP 10
STO 99
OUT
HLT
LDA 97
ADD 98
STO 99
OUT
HLT
```

Output:



Task No 05: **Input a number if A is greater than 5 then C = A - 5 otherwise end the program.**

Solution:

```
IN
STO 97
SUB 98
BRP 05
HLT
STO 99
OUT
HLT
*98
DAT 005
```

Output: