

Output for Example 1:

7

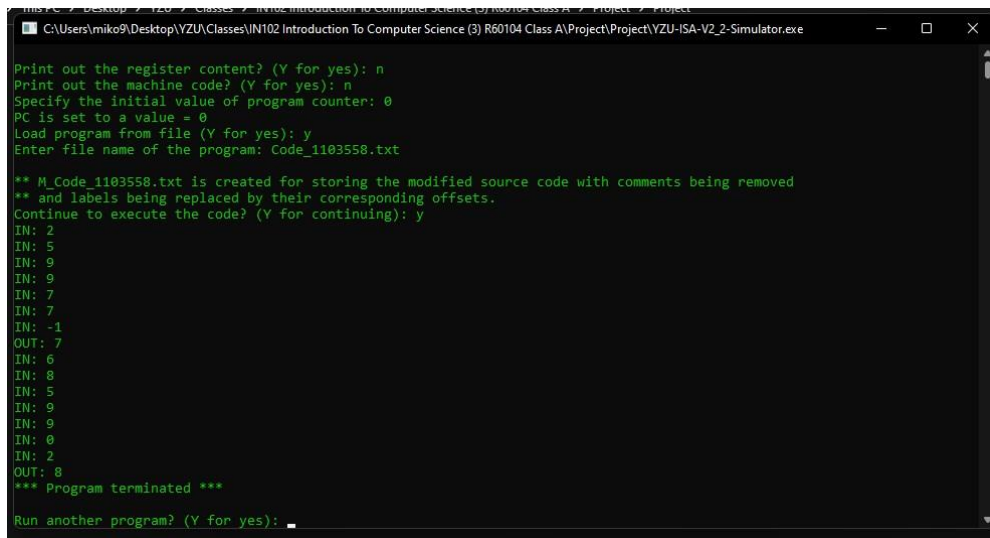
8

Output for Example 2:

-1

1

Example 1 Screenshot: (Inputs and Outputs)

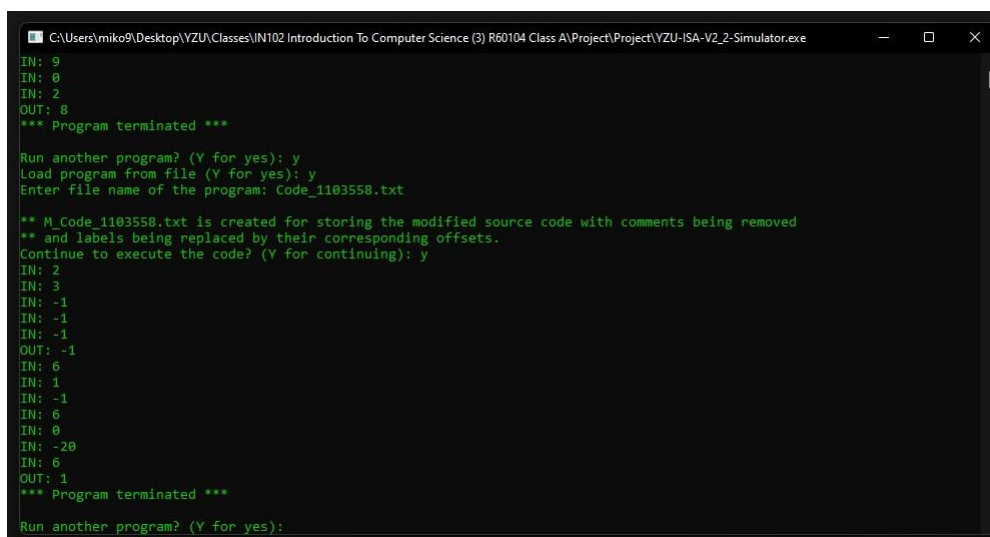


```
C:\Users\miko9\Desktop\YZU\Classes\IN102 Introduction To Computer Science (3) R60104 Class A\Project\Project\YZU-ISA-V2_2-Simulator.exe

Print out the register content? (Y for yes): n
Print out the machine code? (Y for yes): n
Specify the initial value of program counter: 0
PC is set to a value = 0
Load program from file (Y for yes): y
Enter file name of the program: Code_1103558.txt

** M_Code_1103558.txt is created for storing the modified source code with comments being removed
** and labels being replaced by their corresponding offsets.
Continue to execute the code? (Y for continuing): y
IN: 2
IN: 5
IN: 9
IN: 9
IN: 7
IN: 7
IN: -1
OUT: 7
IN: 6
IN: 8
IN: 5
IN: 9
IN: 9
IN: 0
IN: 2
OUT: 8
*** Program terminated ***
Run another program? (Y for yes):
```

Example 2 Screenshot: (Inputs and Outputs)



```
C:\Users\miko9\Desktop\YZU\Classes\IN102 Introduction To Computer Science (3) R60104 Class A\Project\Project\YZU-ISA-V2_2-Simulator.exe

IN: 0
IN: 0
IN: 2
OUT: 8
*** Program terminated ***
Run another program? (Y for yes): y
Load program from file (Y for yes): y
Enter file name of the program: Code_1103558.txt

** M_Code_1103558.txt is created for storing the modified source code with comments being removed
** and labels being replaced by their corresponding offsets.
Continue to execute the code? (Y for continuing): y
IN: 2
IN: 3
IN: -1
IN: -1
IN: -1
OUT: -1
IN: 6
IN: 1
IN: -1
IN: 6
IN: 0
IN: -20
IN: 6
OUT: 1
*** Program terminated ***
Run another program? (Y for yes):
```