Test Report

Group-7

2013/10/16

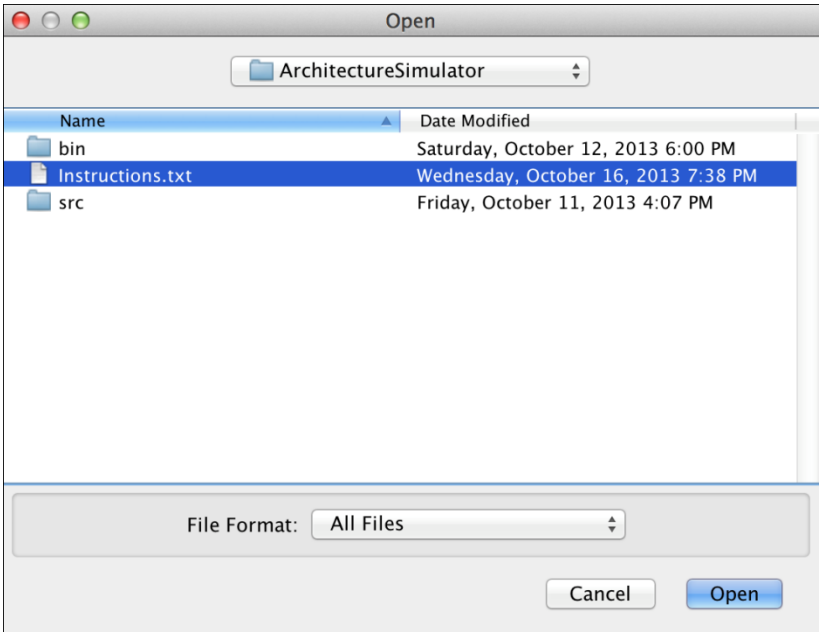
DIRECTORY

1. Initialize Program Load

1.1 Welcome

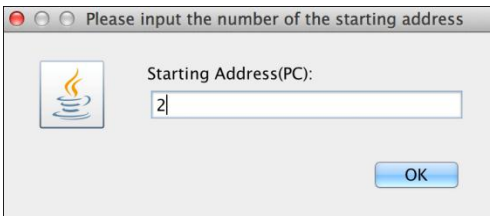
Click the Button “Start and loading memory” to start the initialization.

1.2 Set Memory



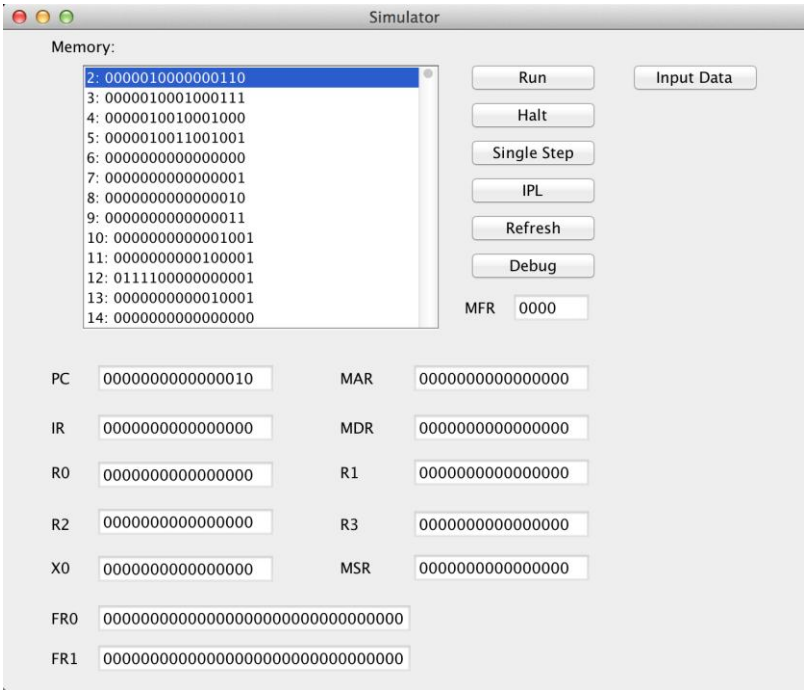
Choose a memory file to load.

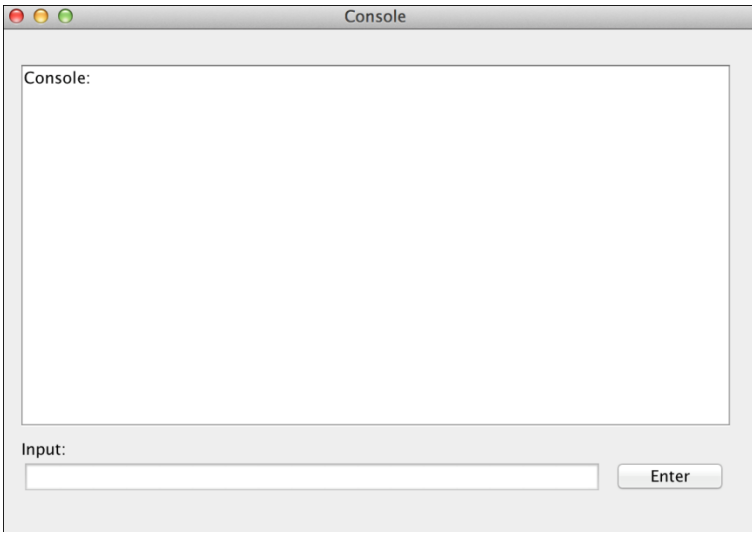
1.3 Set PC



Input the PC number, 2.

1.4 Finish Initialization

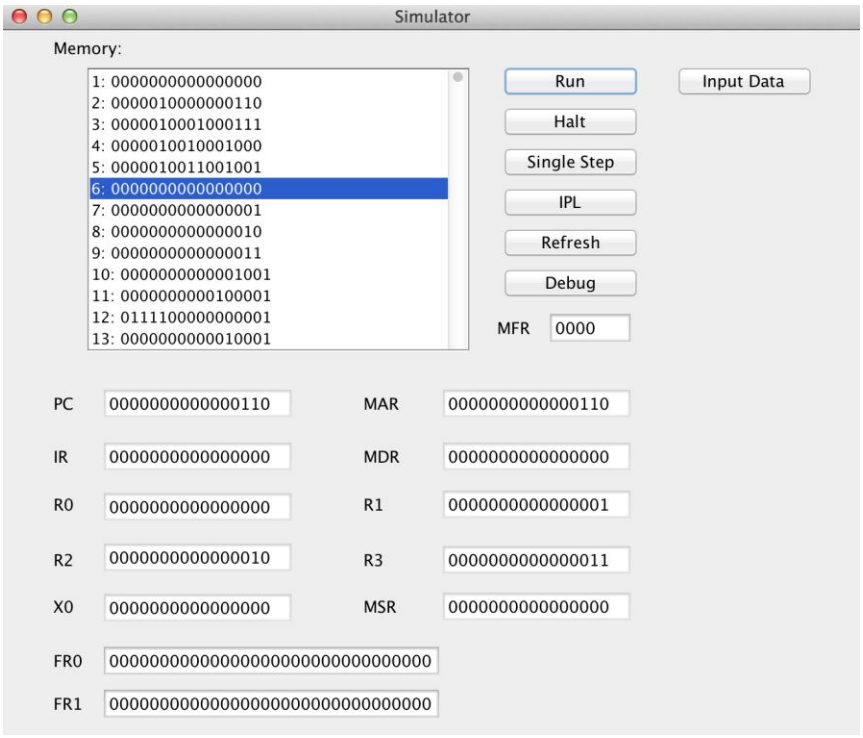




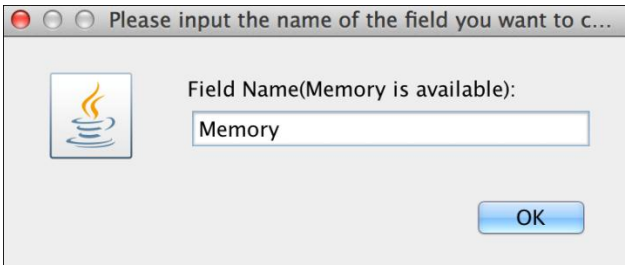
When the initialization finish, you can see both of these windows.

2. Input Data

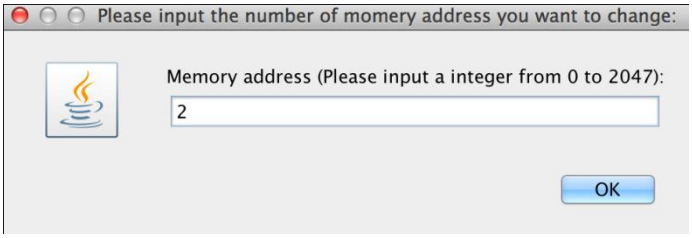
2.1 Input Memory



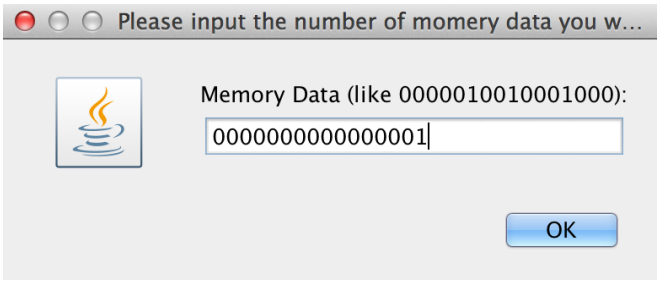
Click Button “Input data”, and you will see a window like following.



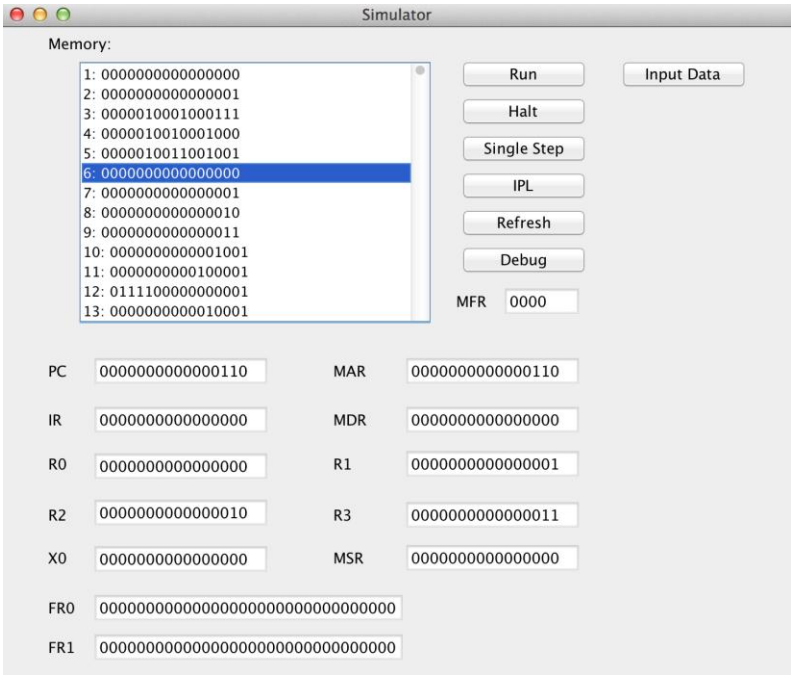
Input “Memory”, and click Button “OK”.



Input the address number you want to enter data into, and click Button “OK”.



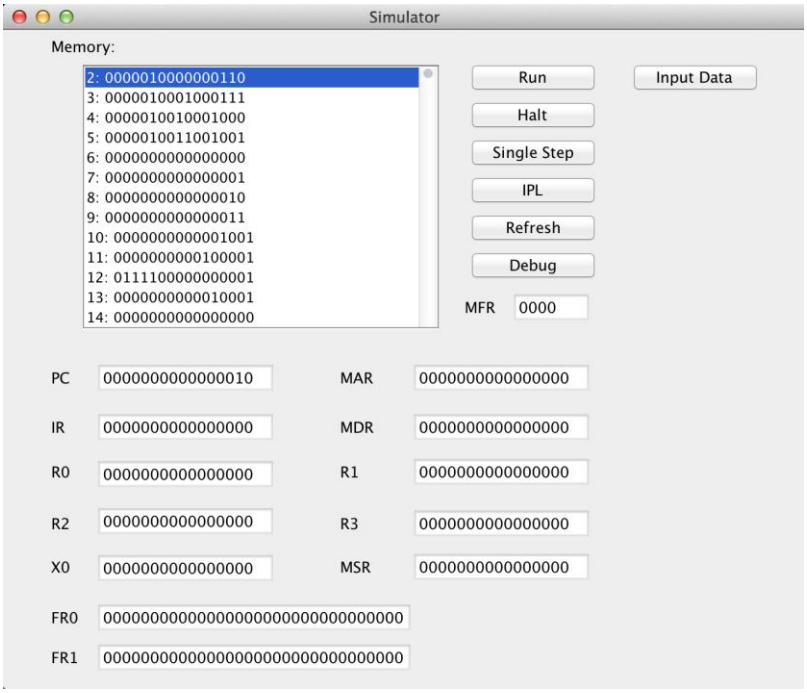
Input the data you want to enter, and click Button “OK”.



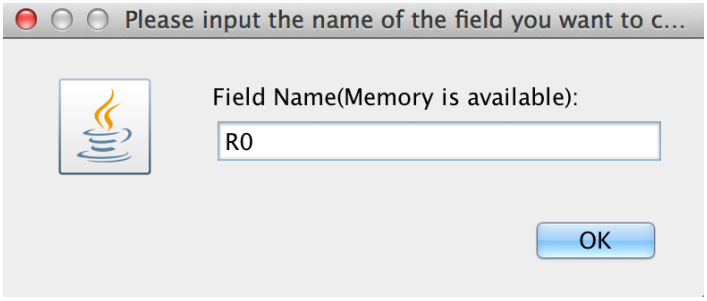
Congratulation! The data in the memory has been changed successfully.

2.2 Input Data

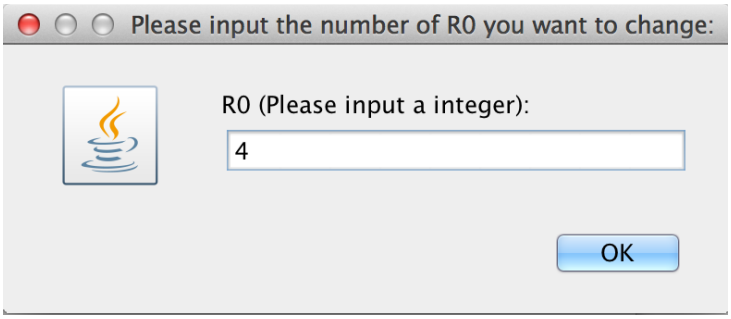
2.2.1 Enter Data into R0



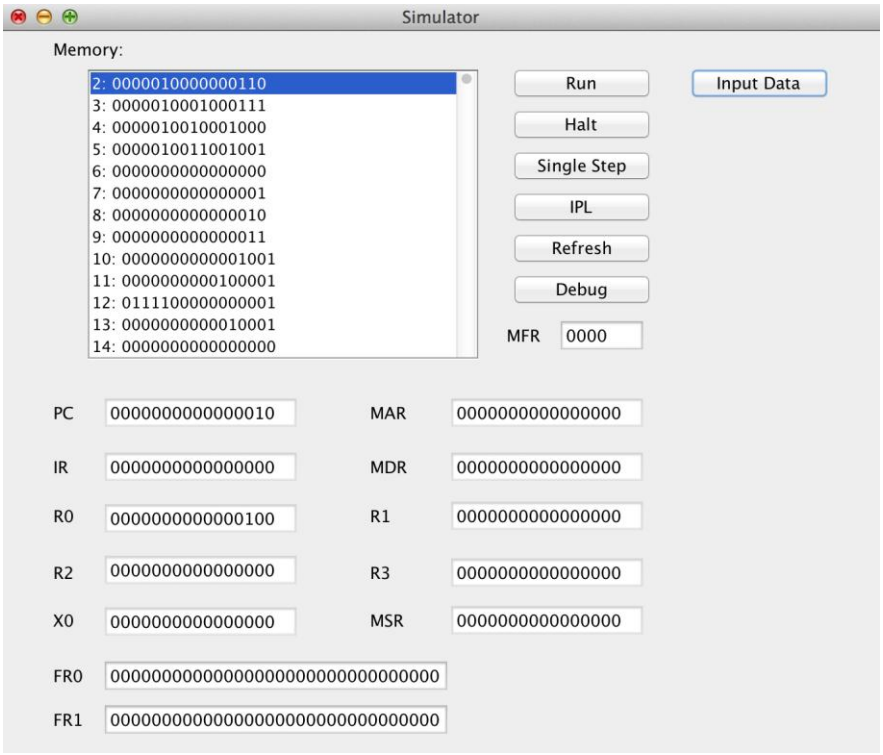
Click Button “Input data”, and you will see a window like following.



Input the field name“R0”, and click Button “OK”.

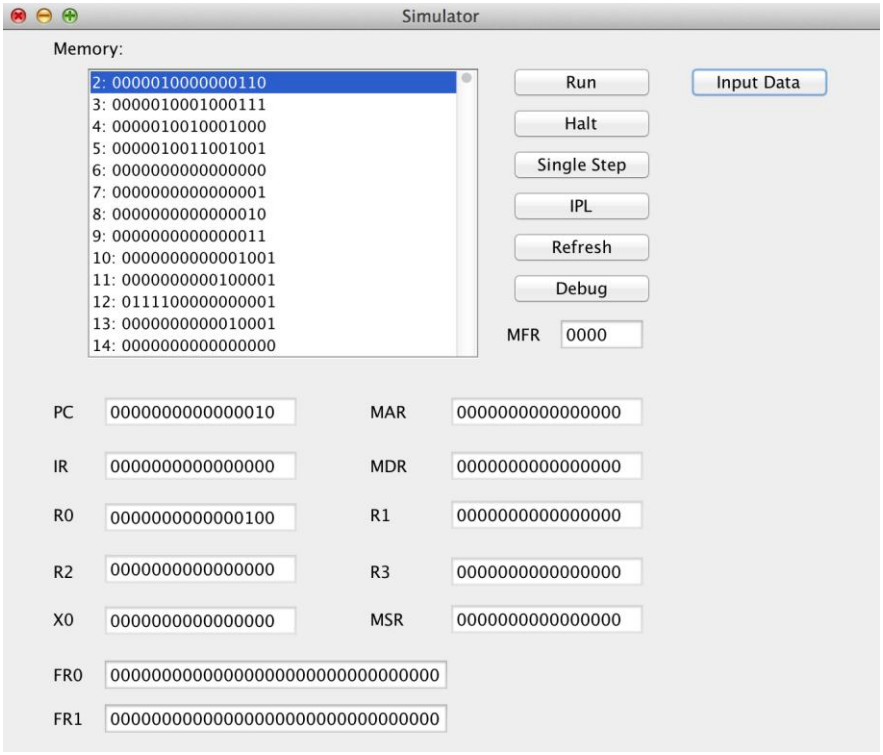


Input the data“4”, and click Button “OK”.

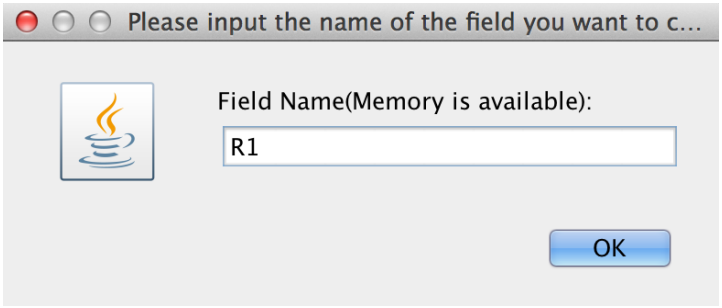


Congratulation! The data has been changed successfully.

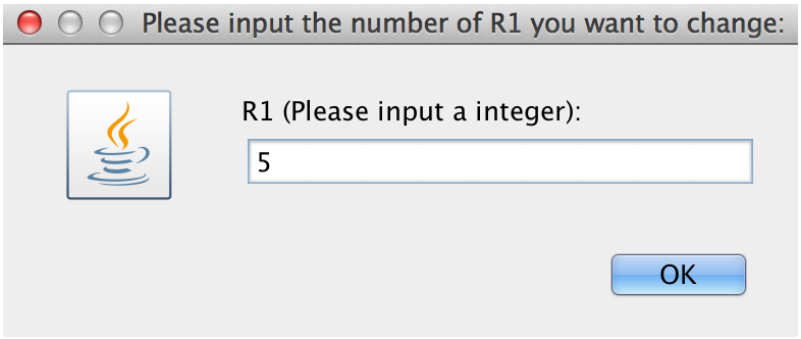
2.2.2 Enter Data into R1



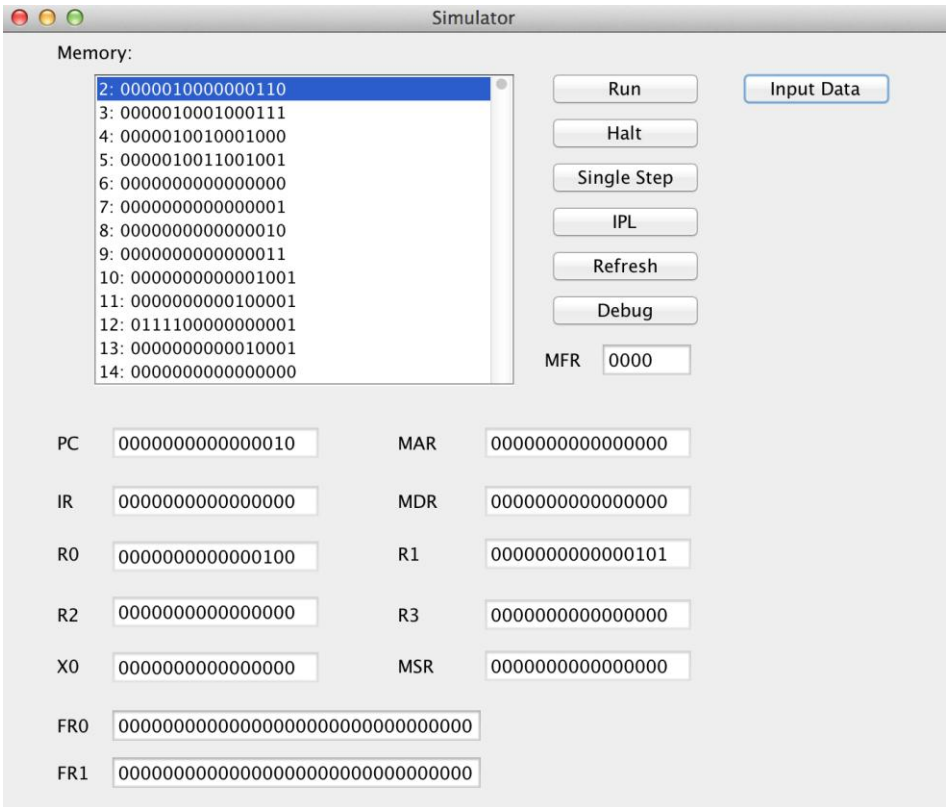
Click Button “Input data”, and you will see a window like following.



Input the field name“R1”, and click Button “OK”.

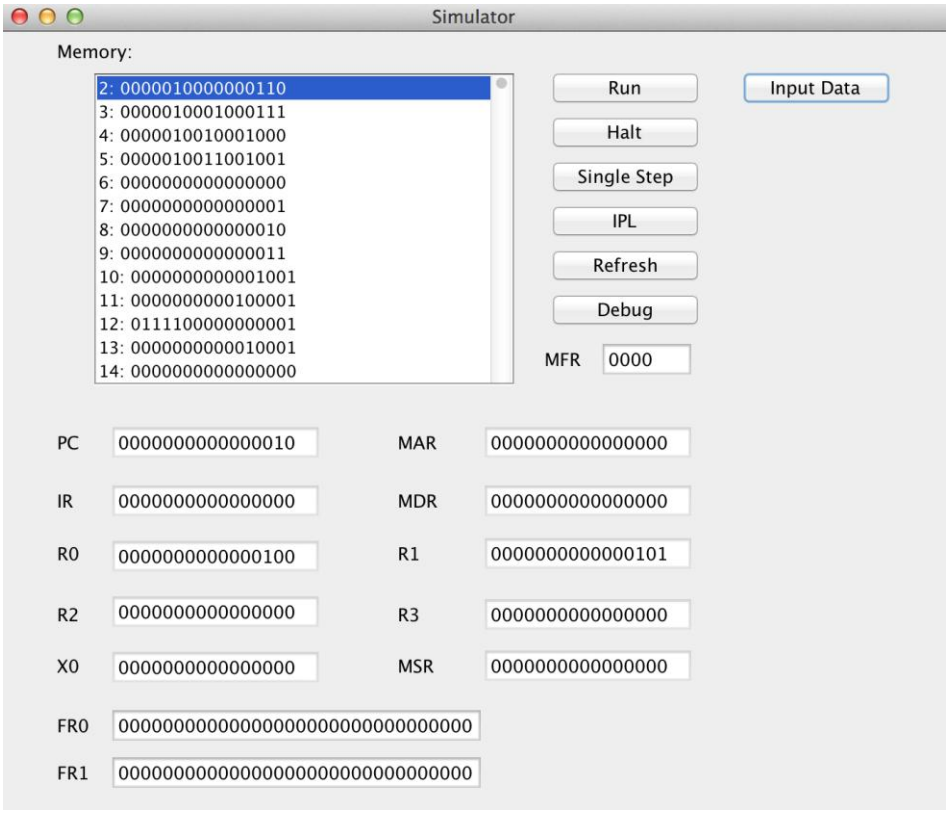


Input the data“5”, and click Button “OK”.

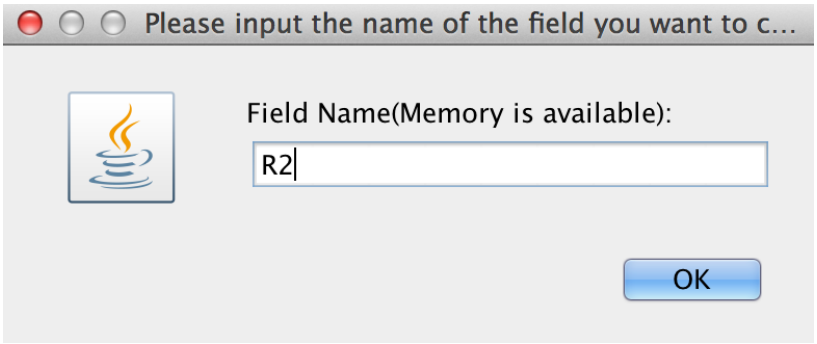


Congratulation! The data has been changed successfully.

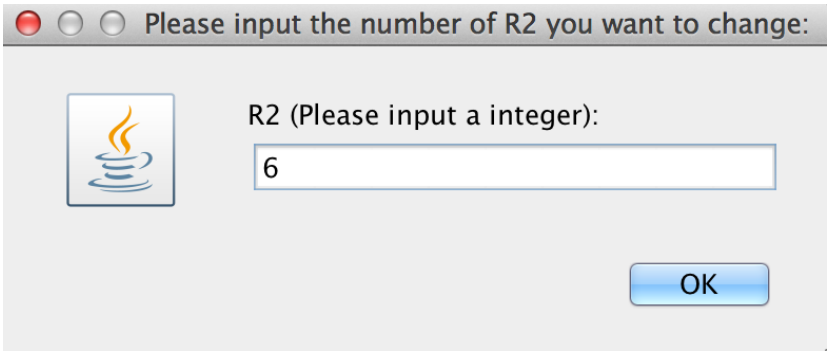
2.2.3Enter Data into R2



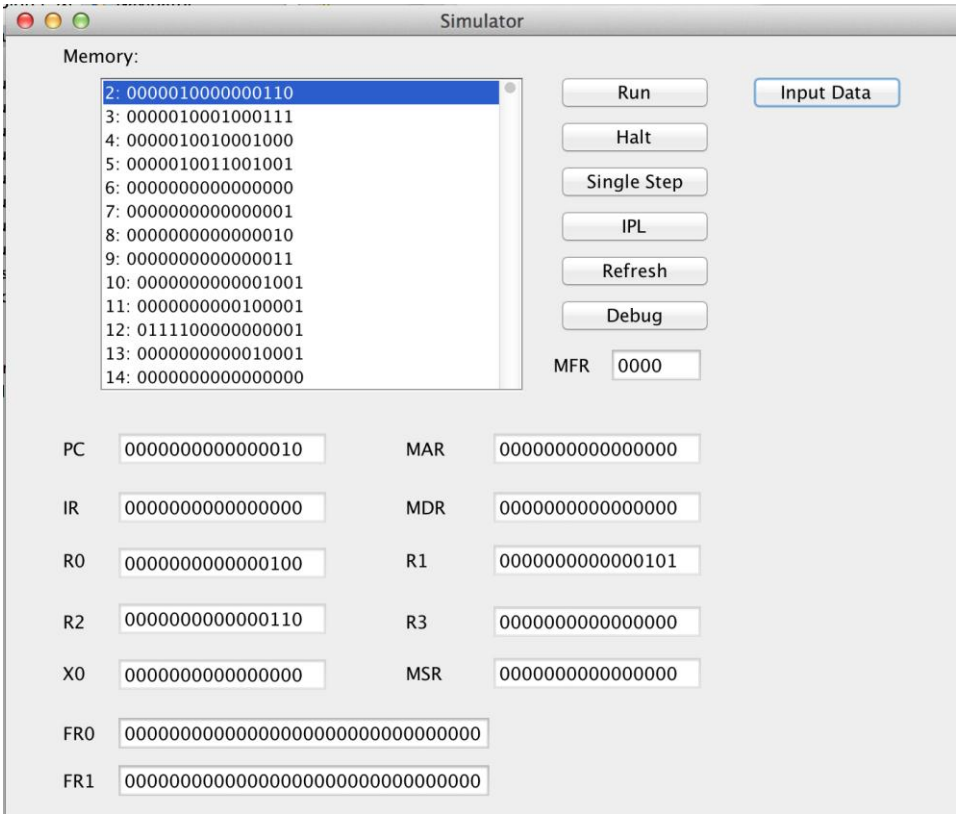
Click Button “Input data”, and you will see a window like following.



Input the field name“R2”, and click Button “OK”.

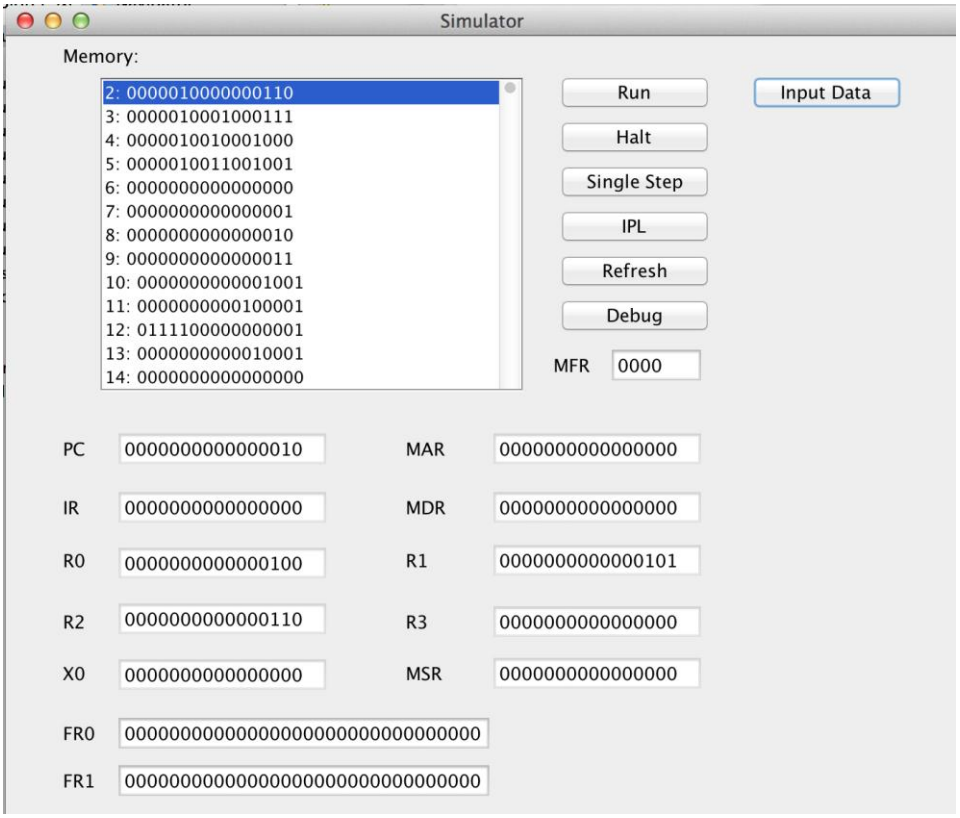


Input the data“6”, and click Button “OK”.

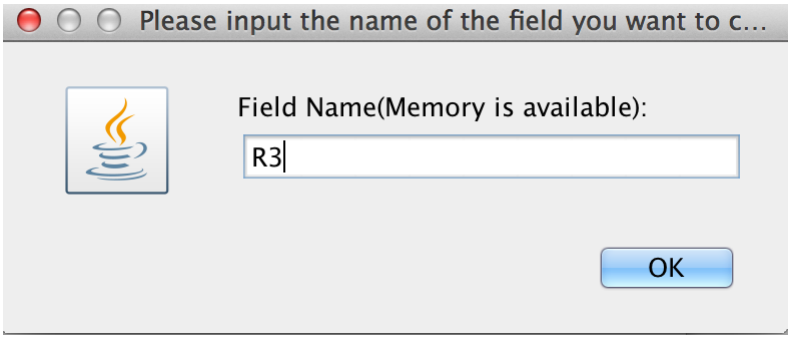


Congratulation! The data has been changed successfully.

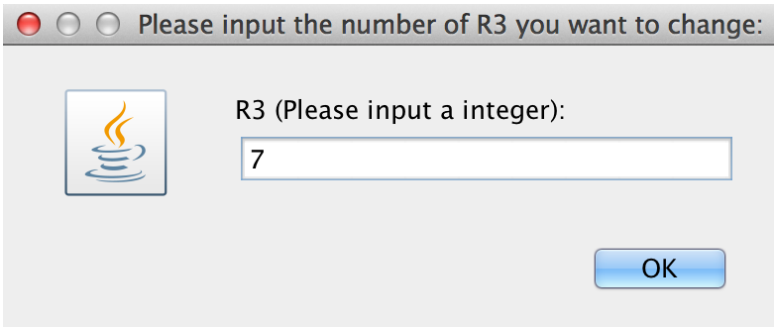
2.2.4 Enter Data into R3



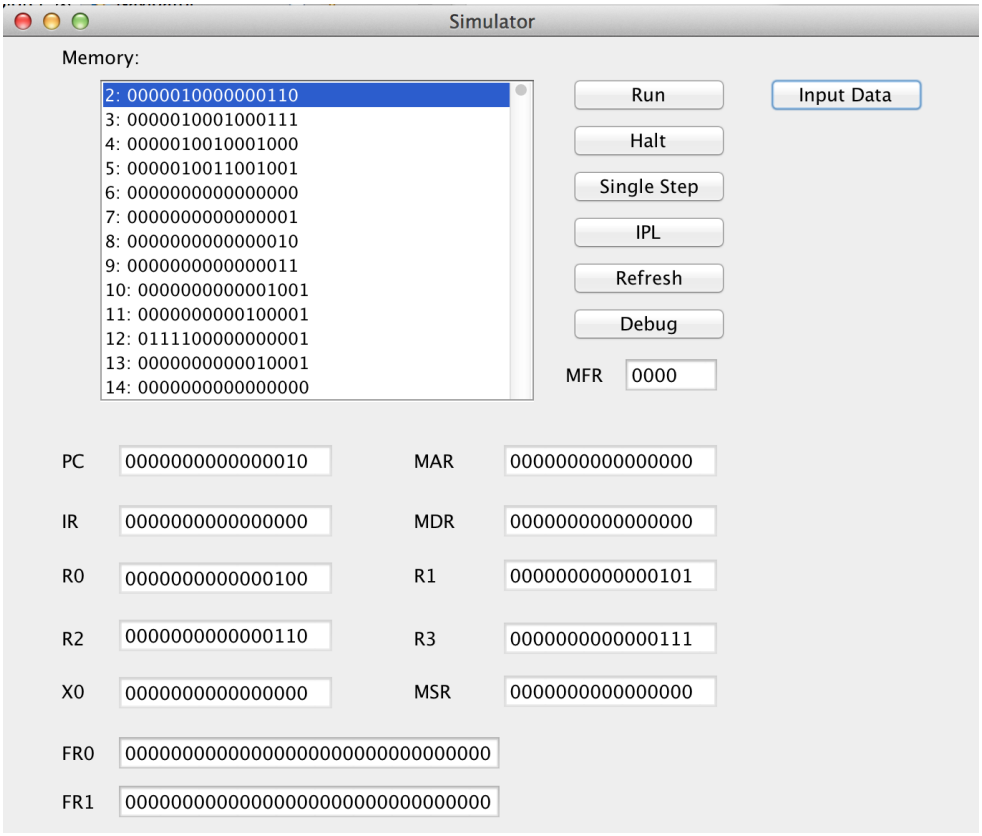
Click Button “Input data”, and you will see a window like following.



Input the field name“R3”, and click Button “OK”.



Input the data“7”, and click Button “OK”.

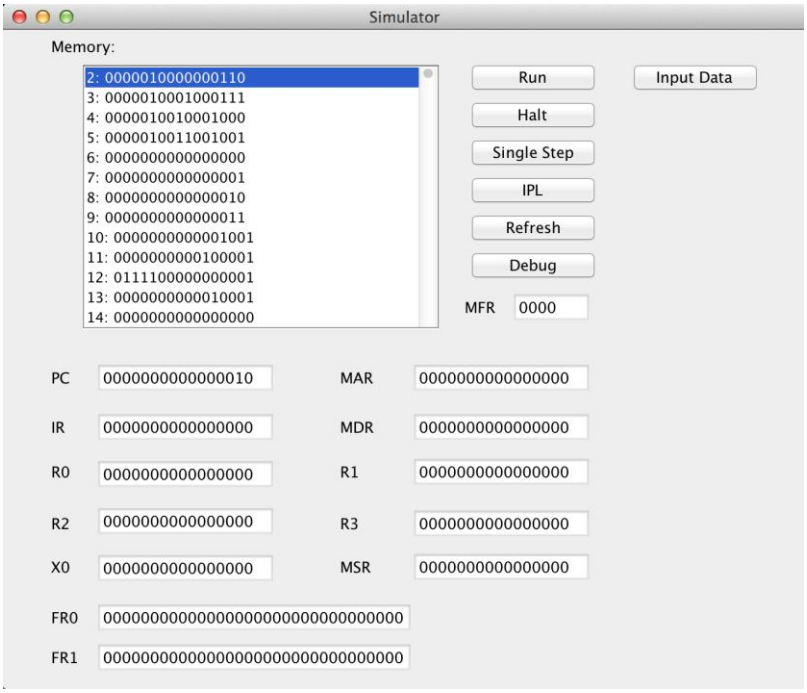


Congratulation! The data has been changed successfully.

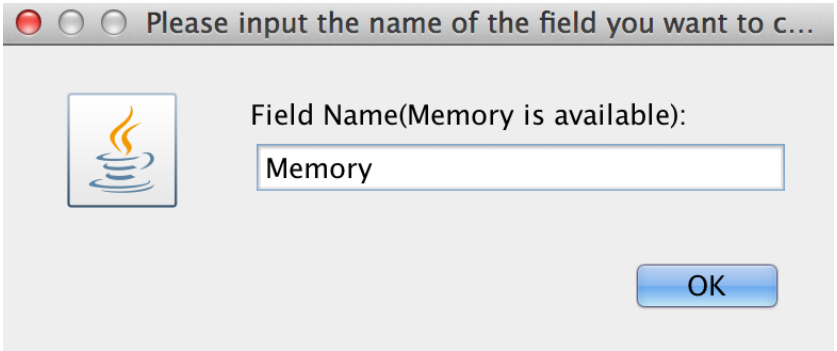
3. Run AMR, SMR, AIR,SIR Instructions

3.1 Run AMR

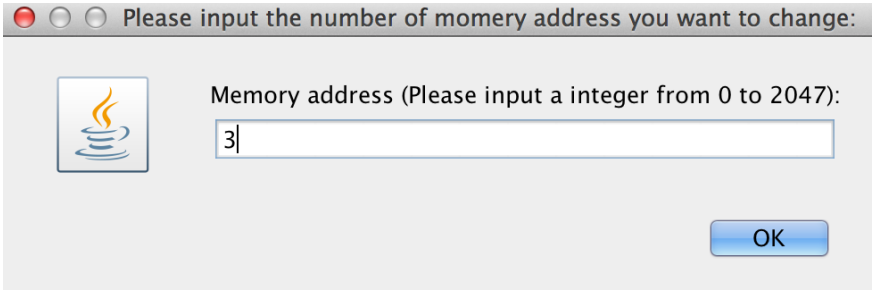
When you finish the initialization and all data in this simulator are correct, you can see the window as following.



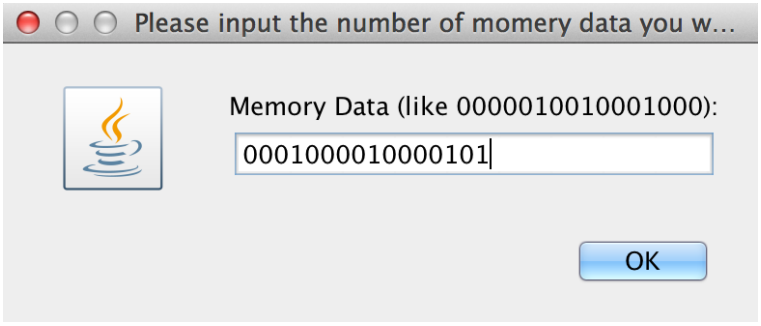
Then click Button “Input data”, and you will see a window like following.



Input the field name “Memory”, and click Button “OK”.

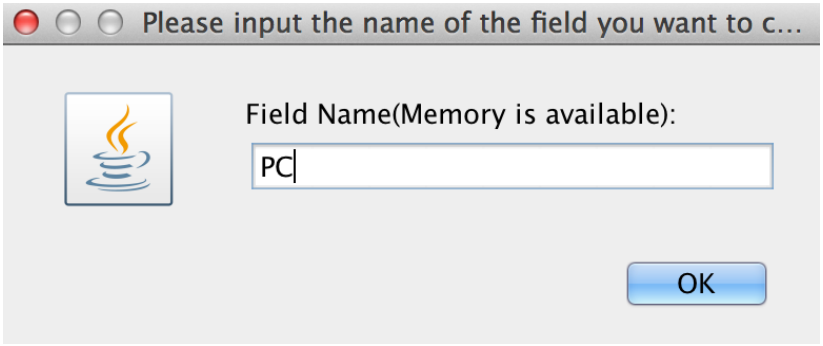


Input the data“3”, and click Button “OK”.

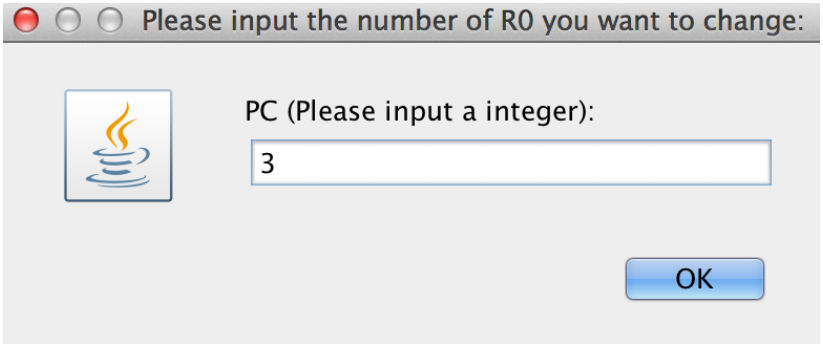


Input the AMR instruction, and click Button “OK”.

Click Button “Input data”, again.

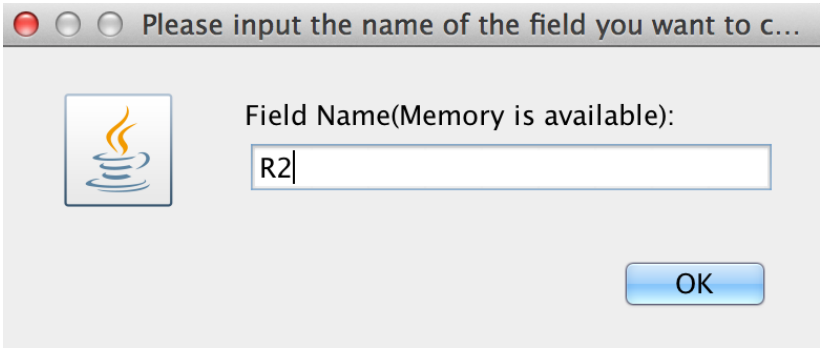


Input the field name “PC”, and click Button “OK”.

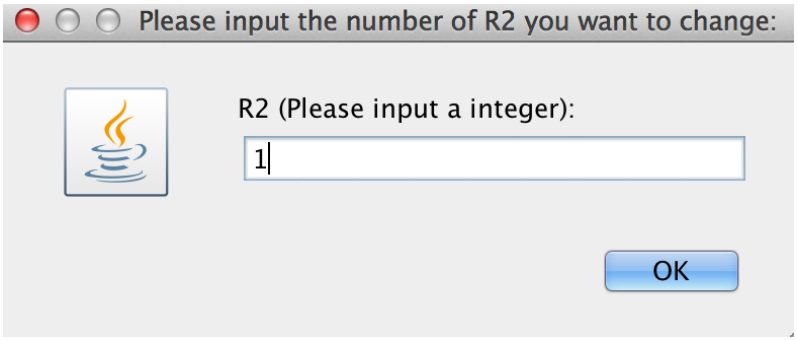


Input the data“3”, and click Button “OK”.

Click Button “Input data”, again.

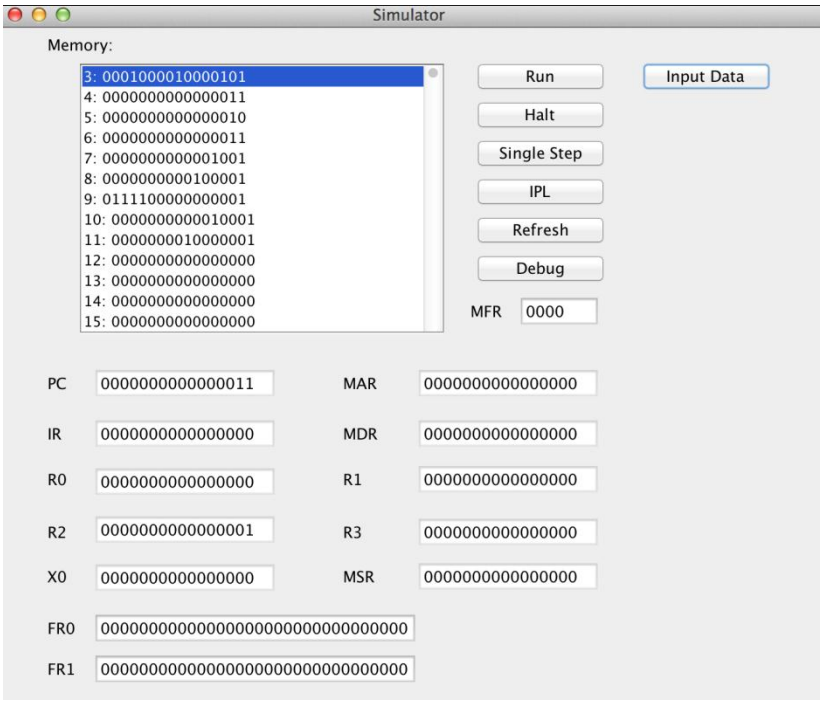


Input the field name “R2”, and click Button “OK”.

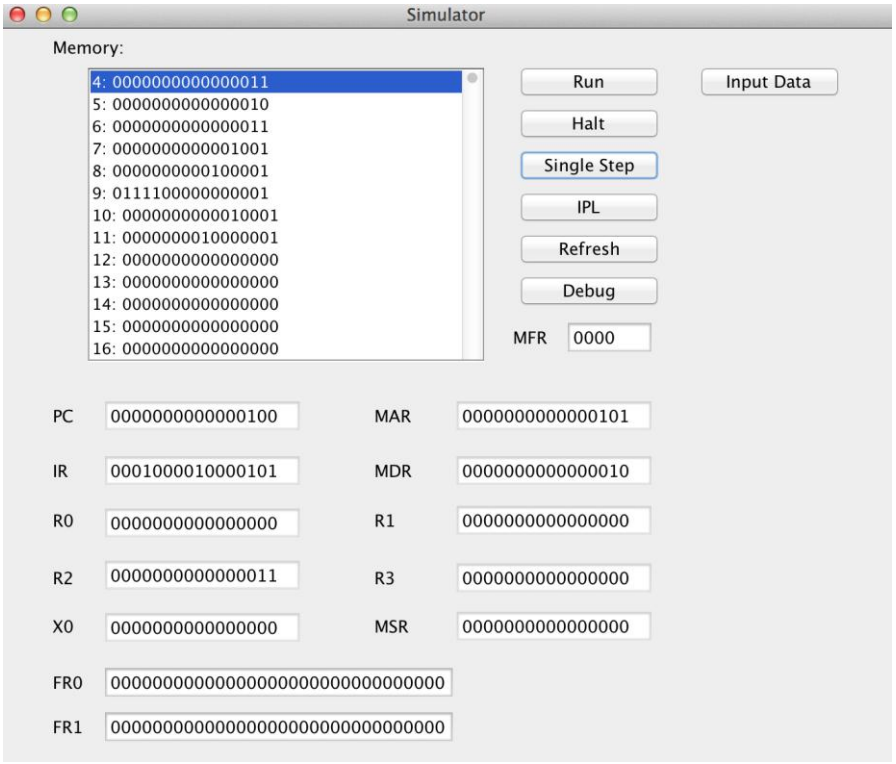


Input the data“1”, and click Button “OK”.

Then you can see the window as following.



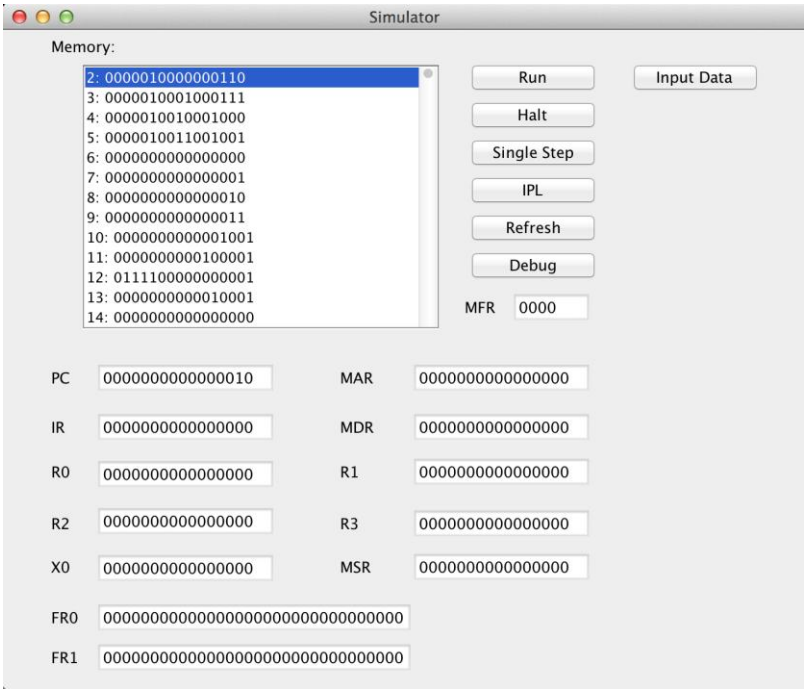
Click Button “Single Step”.



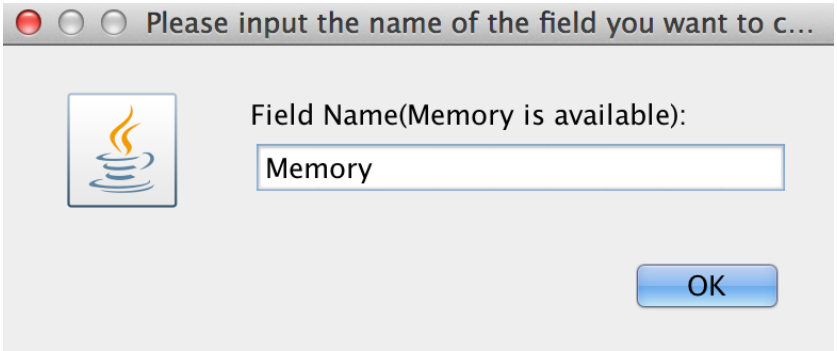
Congratulation! The AMR instruction has been done successfully.

3.2 Run SMR

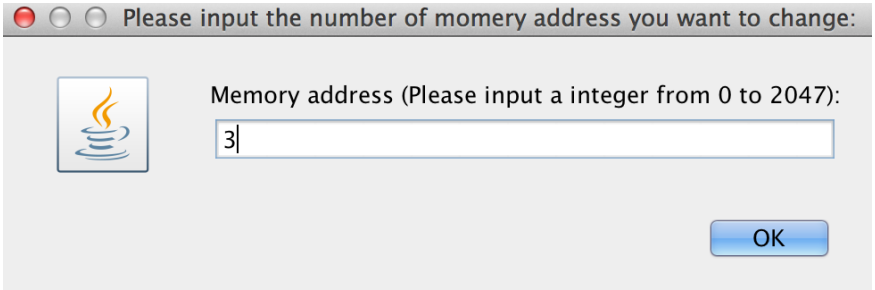
When you finish the initialization and all data in this simulator are correct, you can see the window as following.



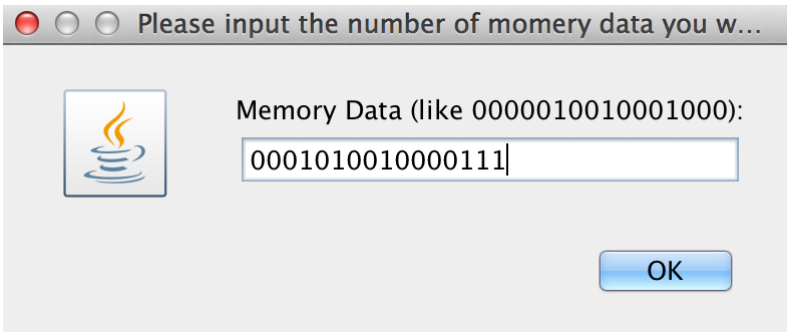
Click Button “Input data”, and you will see a window like following.



Input the field name “Memory”, and click Button “OK”.

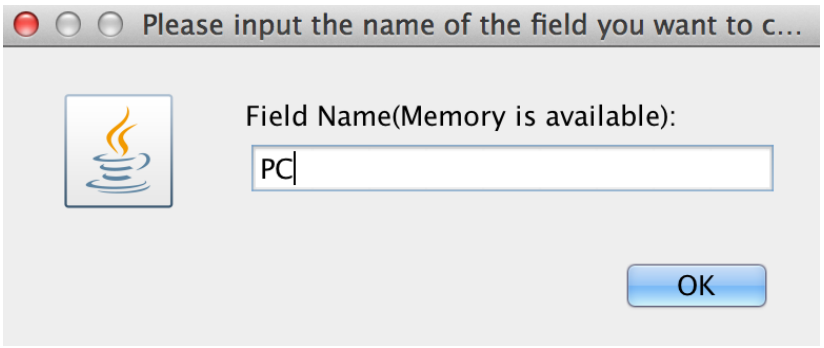


Input the data“3”, and click Button “OK”.

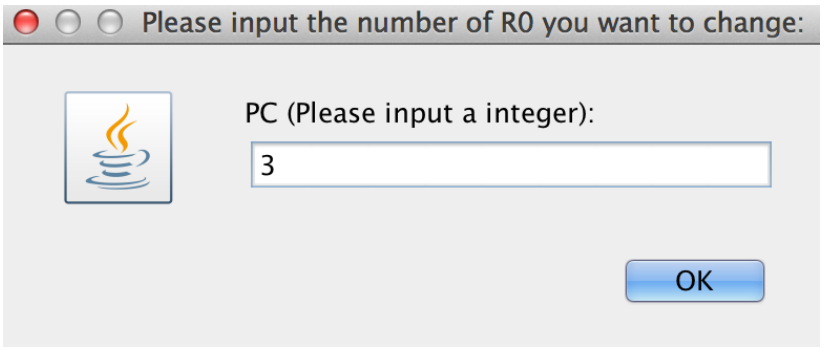


Input the SMR instruction, and click Button “OK”.

Click Button “Input data”, again.

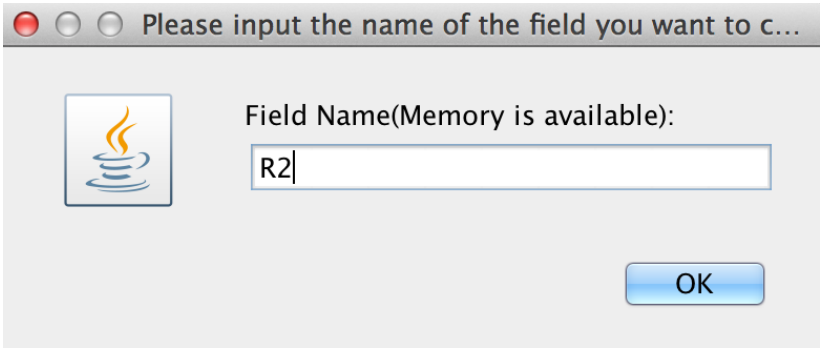


Input the field name “PC”, and click Button “OK”.

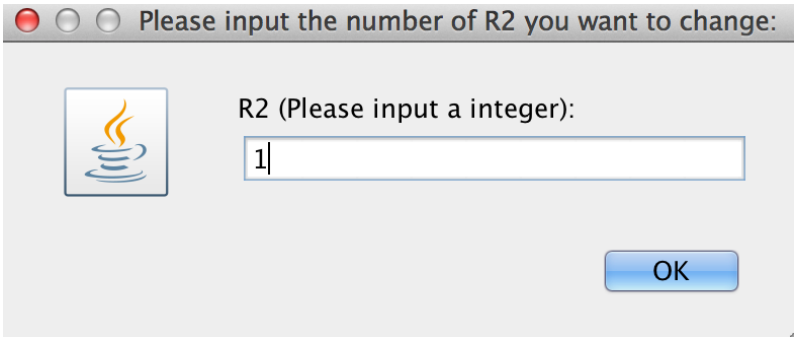


Input the data“3”, and click Button “OK”.

Click Button “Input data”, again.

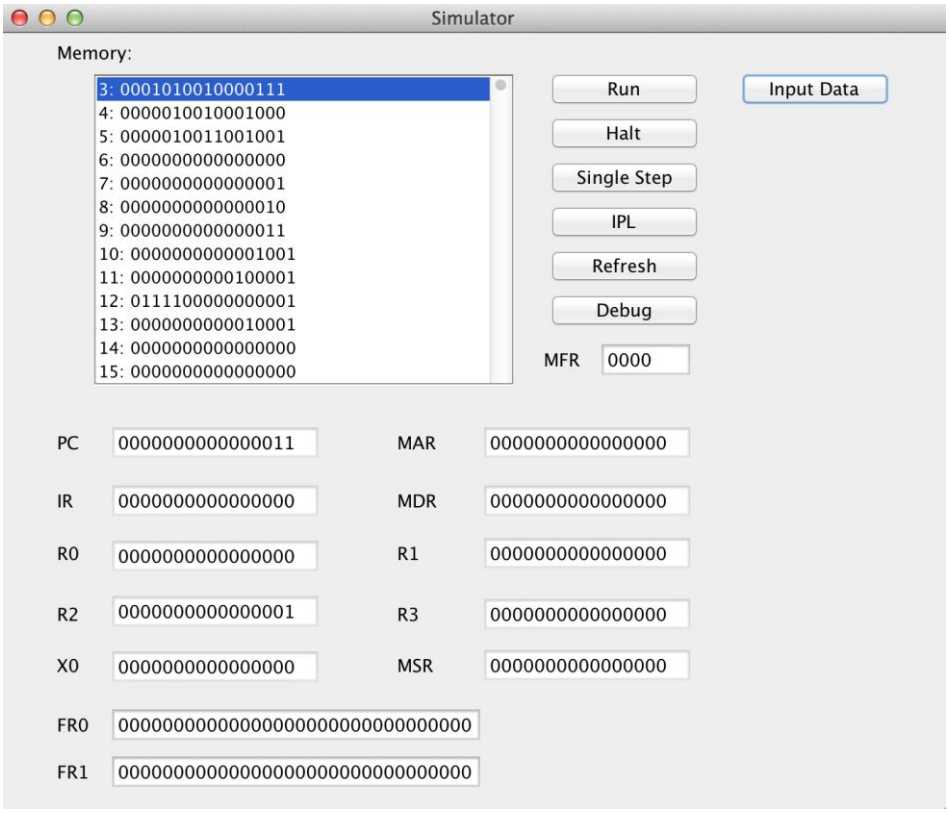


Input the field name “R2”, and click Button “OK”.

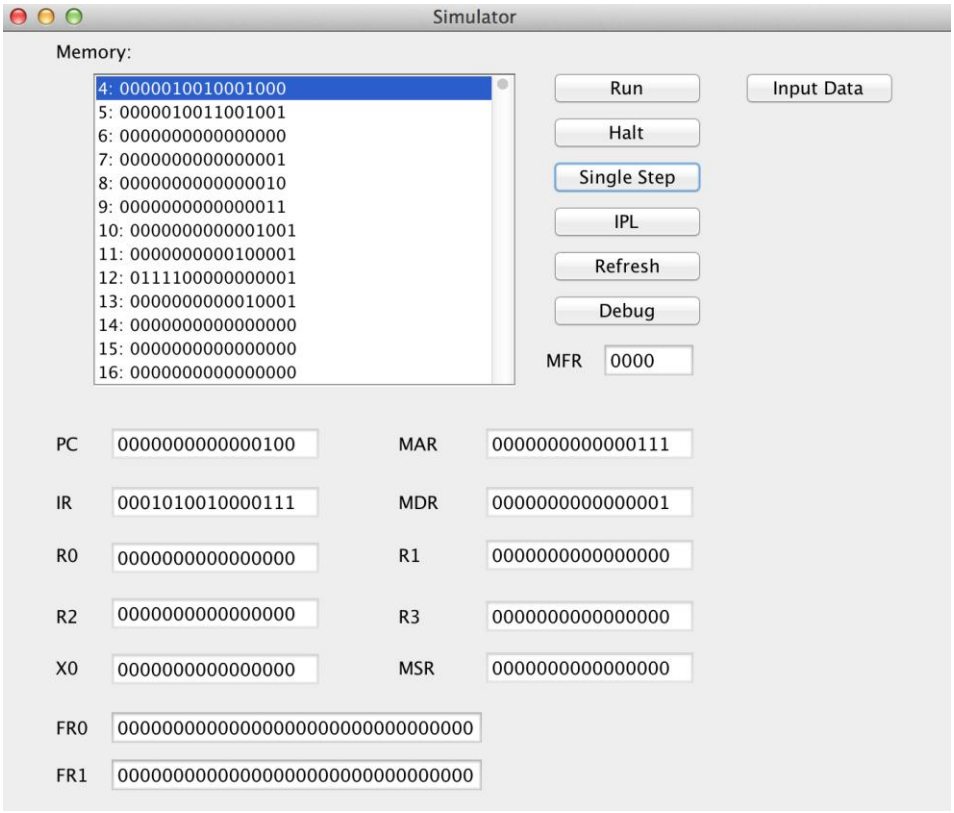


Input the data“1”, and click Button “OK”.

Then you can see the window as following.



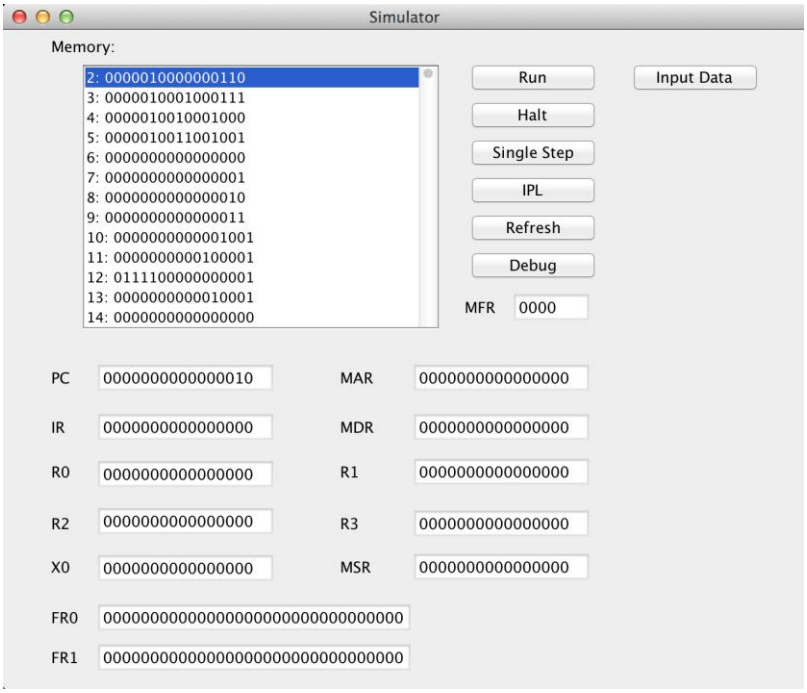
Click Button “Single Step”.



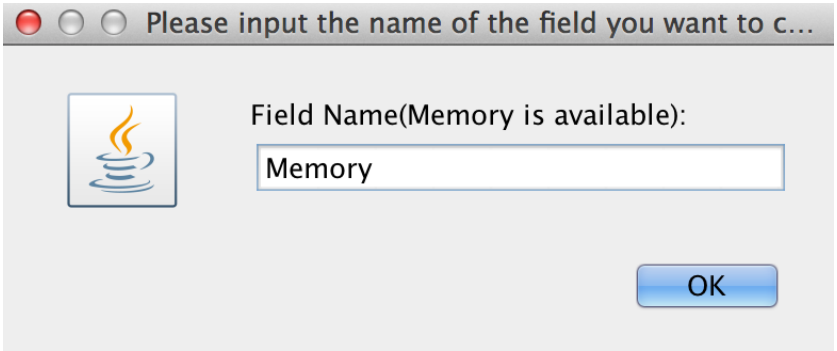
Congratulation! The SMR instruction has been done successfully.

3.3 Run AIR

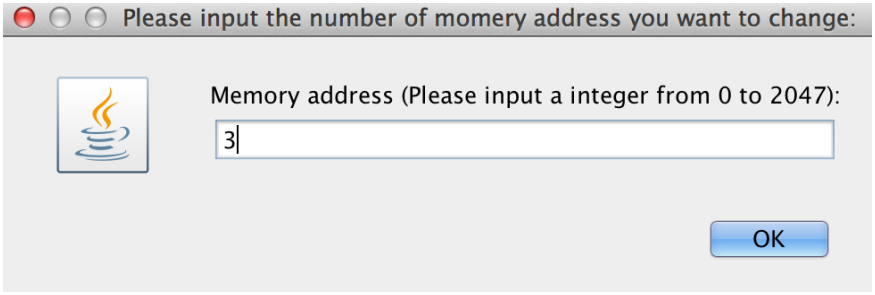
When you finish the initialization and all data in this simulator are correct, you can see the window as following.



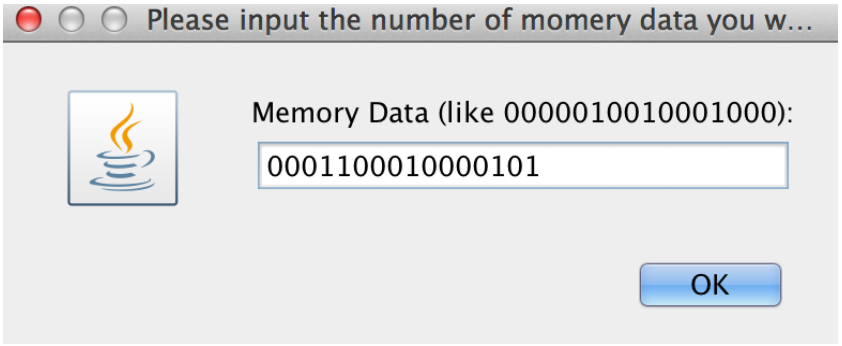
Click Button “Input data”, and you will see a window like following.



Input the field name “Memory”, and click Button “OK”.

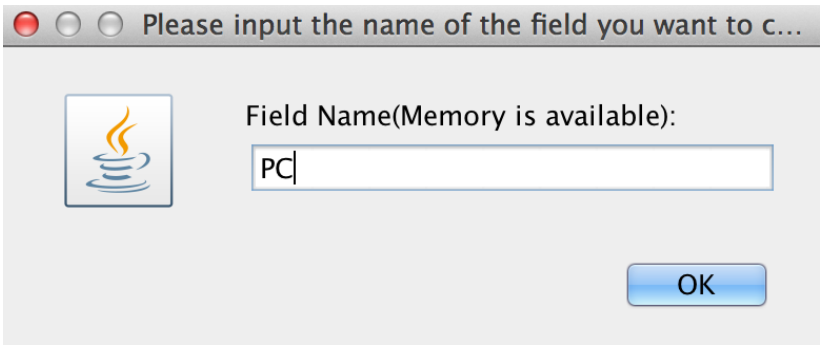


Input the data“3”, and click Button “OK”.

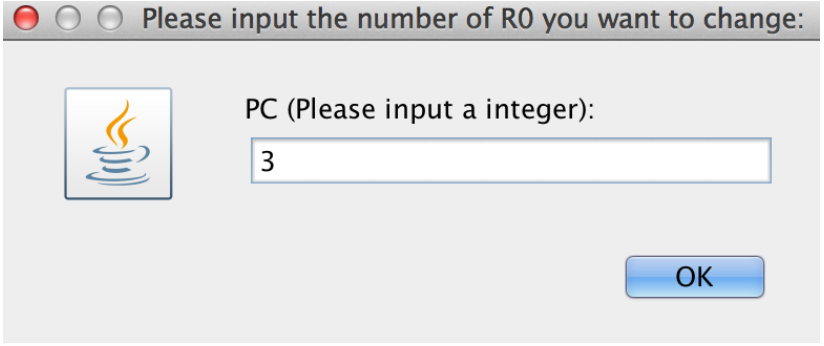


Input the AMR instruction, and click Button “OK”.

Click Button “Input data”, again.

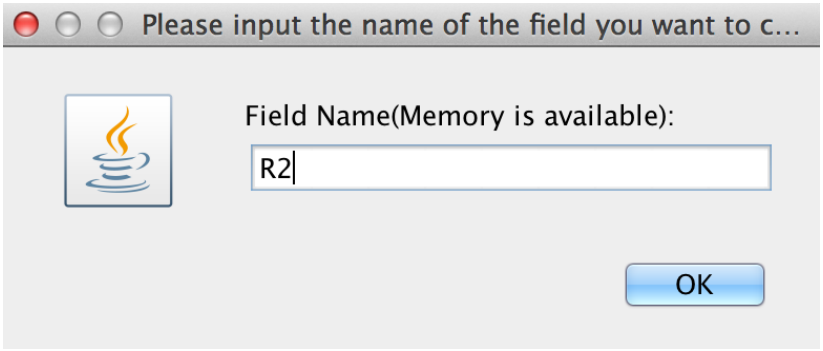


Input the field name “PC”, and click Button “OK”.

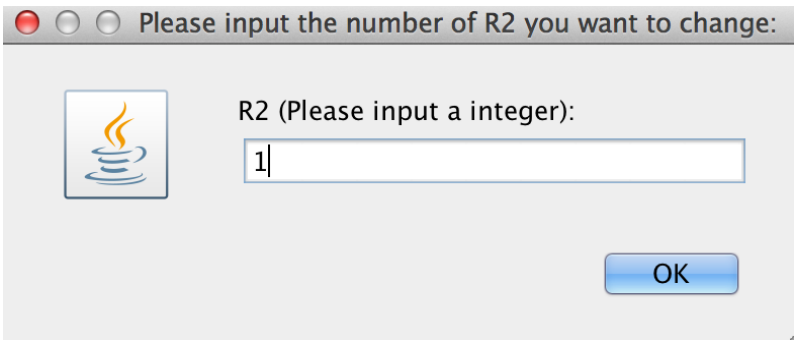


Input the data“3”, and click Button “OK”.

Click Button “Input data”, again.

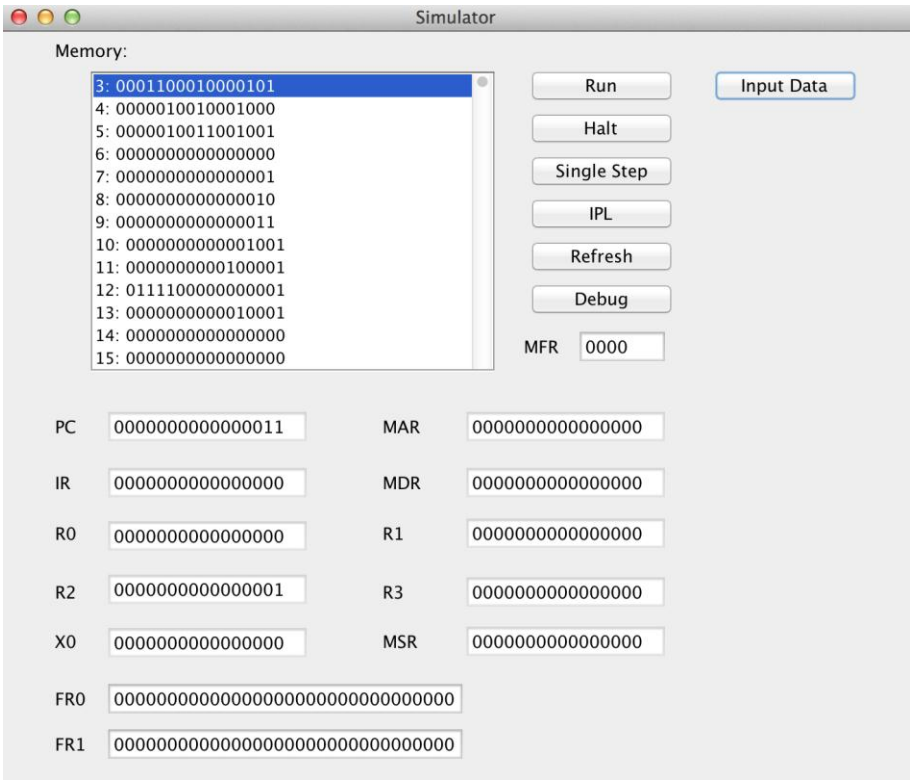


Input the field name “R2”, and click Button “OK”.

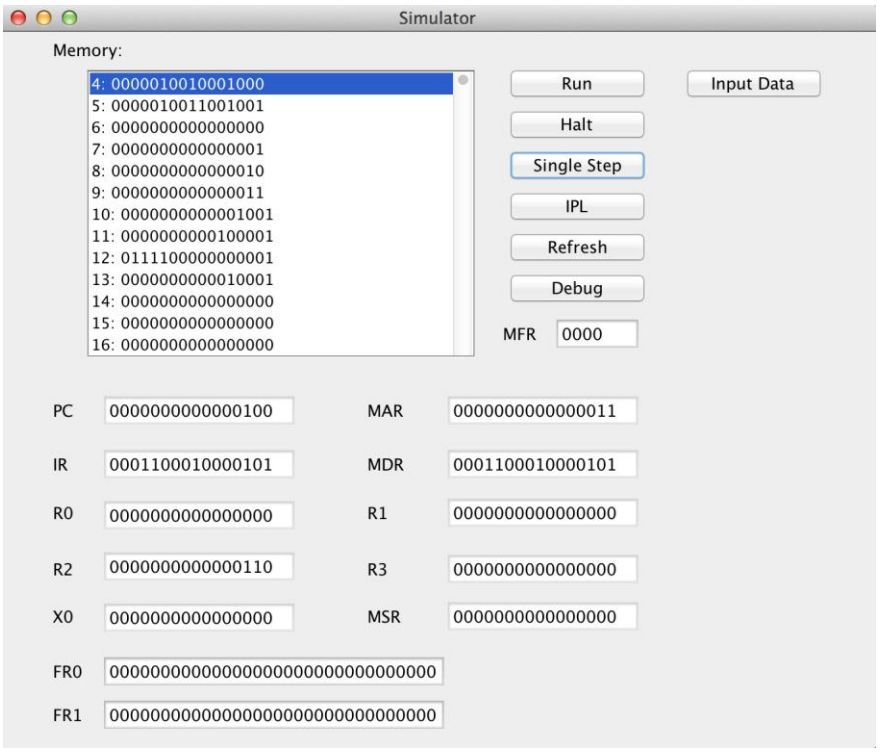


Input the data“1”, and click Button “OK”.

Then you can see the window as following.



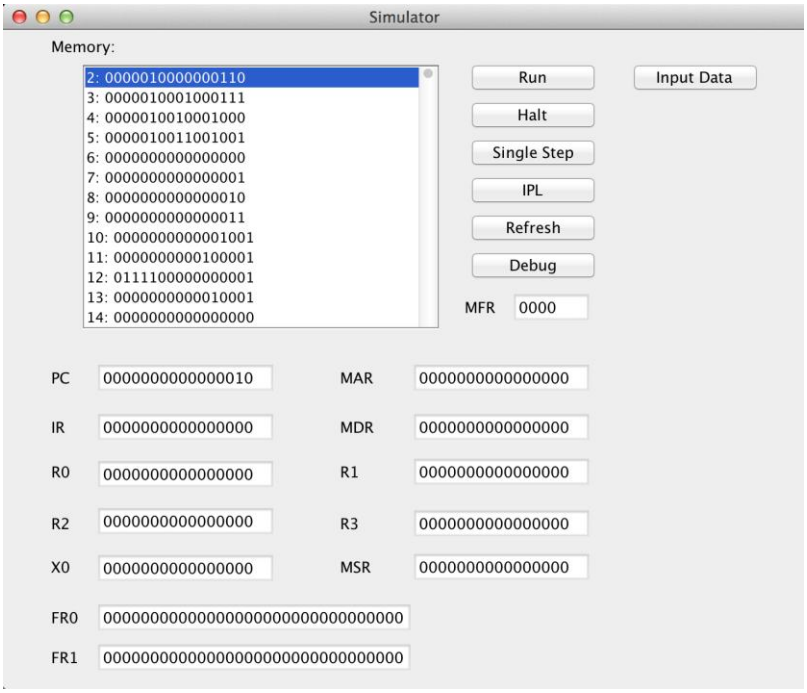
Click Button “Single Step”.



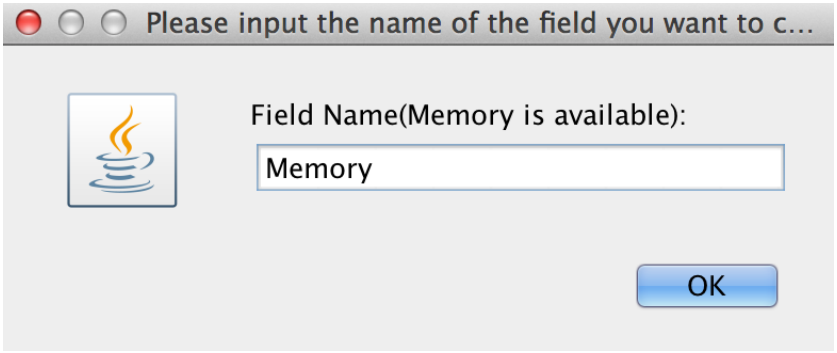
Congratulation! The AIR instruction has been done successfully.

3.4 Run SIR

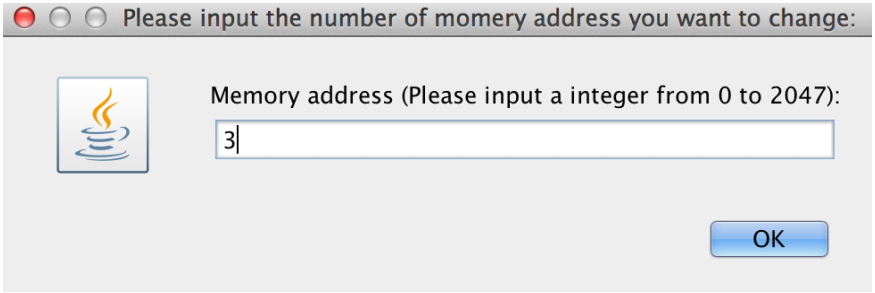
When you finish the initialization and all data in this simulator are correct, you can see the window as following.



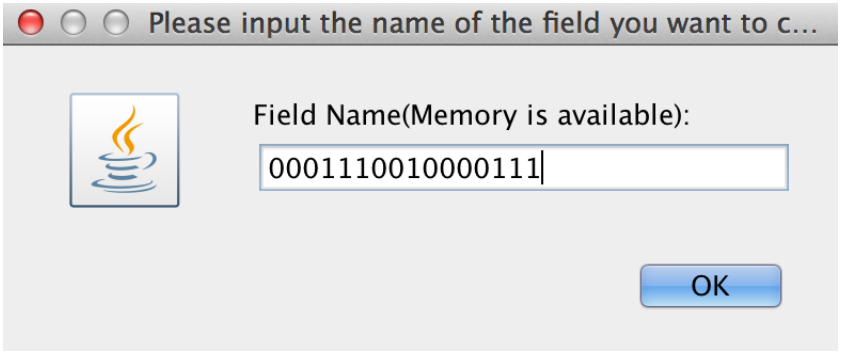
Click Button “Input data”, and you will see a window like following.



Input the field name “Memory”, and click Button “OK”.

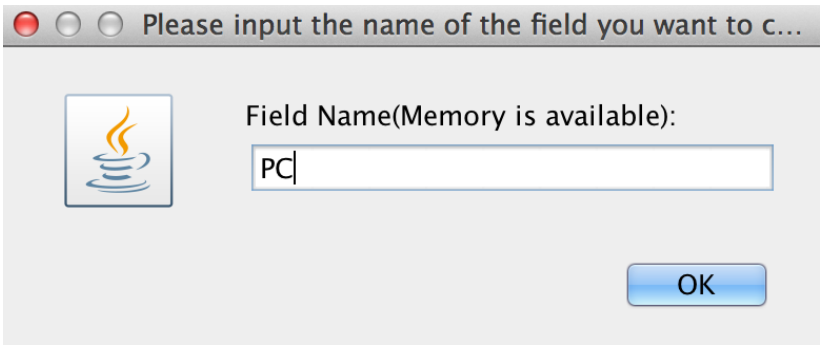


Input the data“3”, and click Button “OK”.

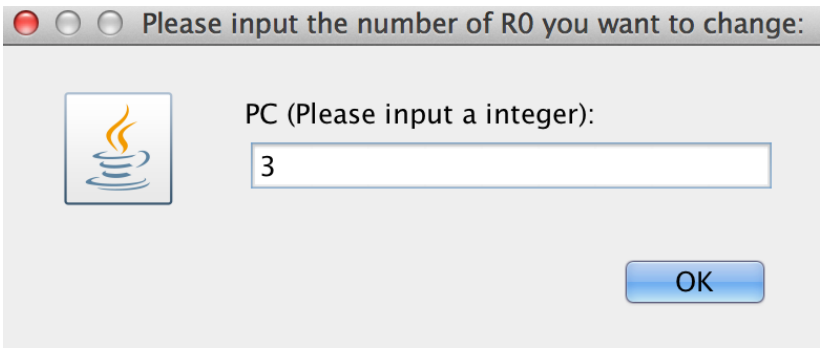


Input the SIR instruction, and click Button “OK”.

Click Button “Input data”, again.

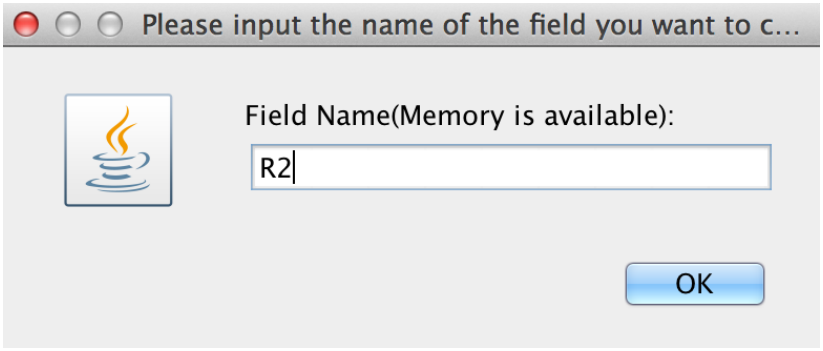


Input the field name “PC”, and click Button “OK”.

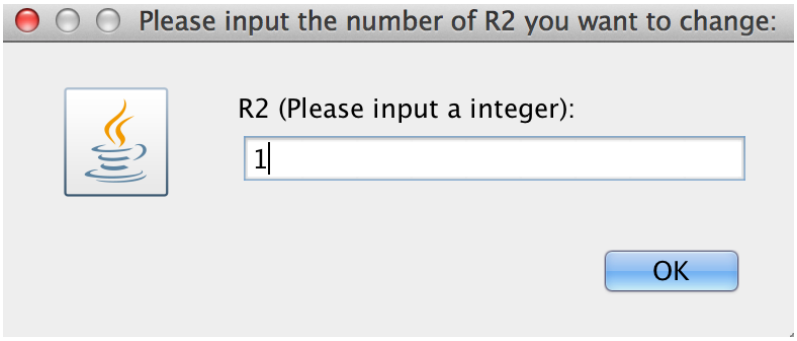


Input the data“3”, and click Button “OK”.

Click Button “Input data”, again.

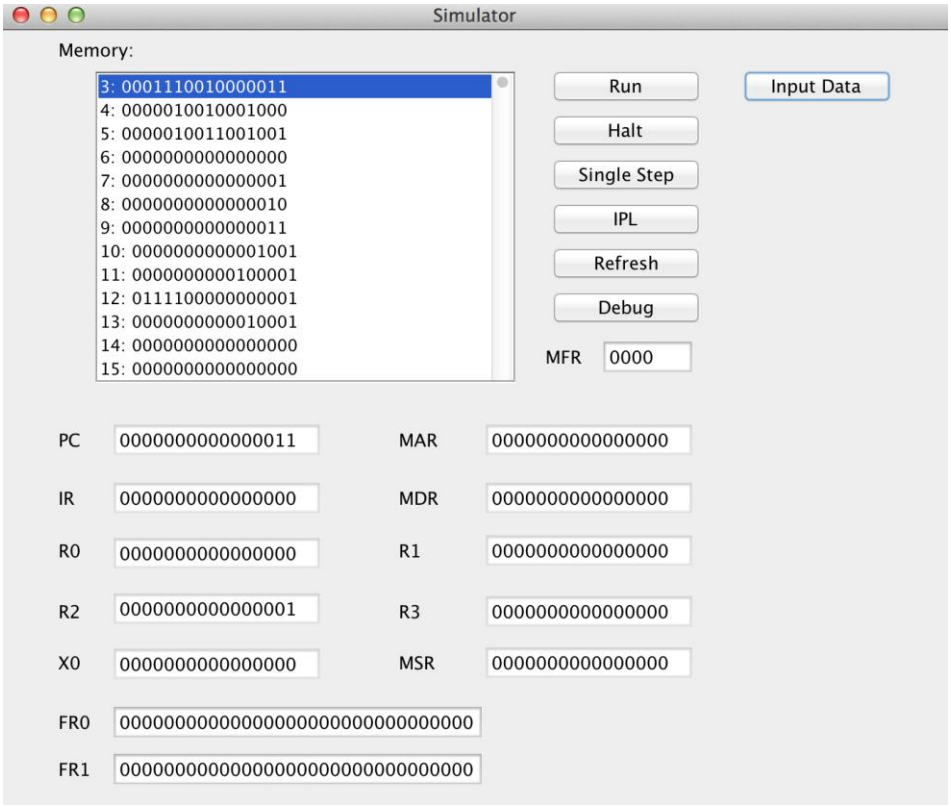


Input the field name “R2”, and click Button “OK”.

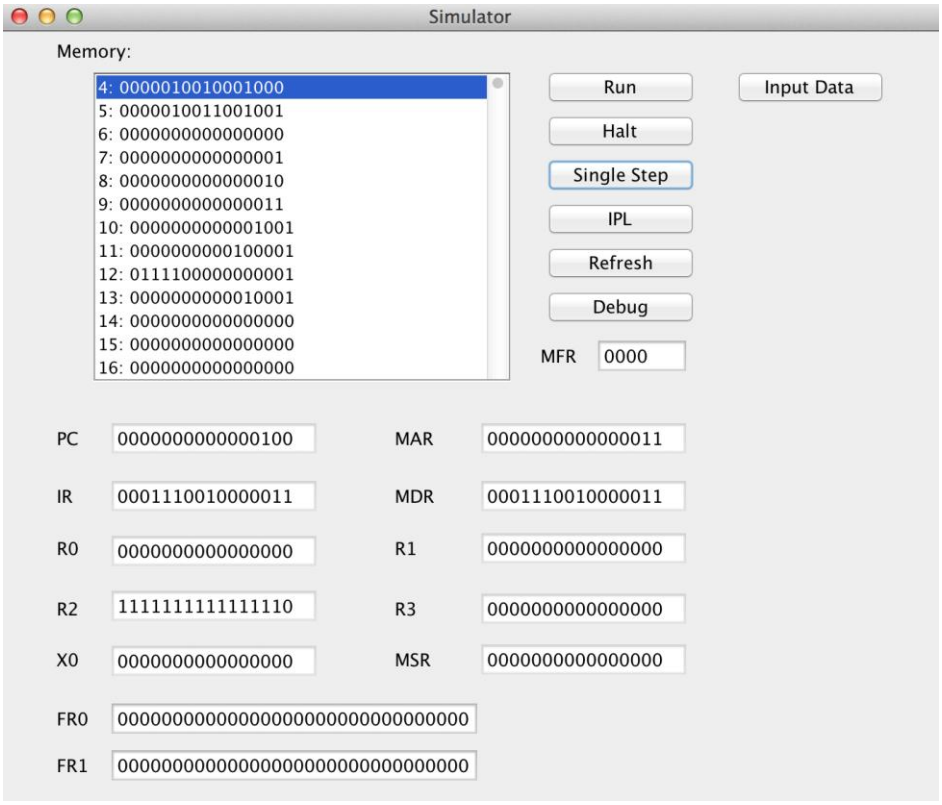


Input the data“1”, and click Button “OK”.

Then you can see the window as following.



Click Button “Single Step”.



Congratulation! The SIR instruction has been done successfully.