1. Compile all java files using command: javac -d . Sorter.java SorterClient.java SorterImplementation.java SorterServer.java

```
Desktop — -zsh — 84×24

[richhunter@student-10-201-40-082 desktop % javac -d . Sorter.java SorterClient.java SorterImplementation.java SorterServer.java richhunter@student-10-201-40-082 desktop %
```

2. Start server using command: java SorterServer.java It shows "Server ready".

```
[richhunter@student-10-201-40-082 desktop % java SorterServer.java Server ready
```

3. Open another terminal window to start client and push integer to stack

```
Desktop — -zsh — 80×24
richhunter@student-10-201-40-082 desktop % java SorterClient.java
How many integers you want to push?
Please enter your integer:
-1
-34
345
delay pop....
popped:2
delay pop....
popped:345
delay pop....
popped:-34
delay pop....
popped:-1
descending order:345,2,-1,-34
ascending order: -34, -1, 2, 345
Min value is: -34
Max value is: 345
richhunter@student-10-201-40-082 desktop %
```

The delay message will show on Server terminal window.

```
Desktop — java SorterServer.java — 84×24

[richhunter@student-10-201-40-082 desktop % javac -d . Sorter.java SorterClient.java ]
SorterImplementation.java SorterServer.java
Irichhunter@student-10-201-40-082 desktop % java SorterServer.java
Server ready
waiting 10 milliseconds
```

## Junit testing

You can test each method by clicking the run button

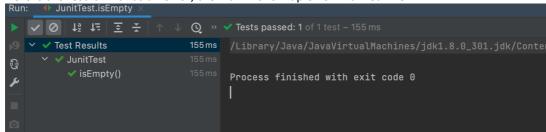
```
@Test
void isEmpty() throws RemoteException {
    Sorter test = new SorterImplementation();

//pushed integer 4 to stack, then stack is not empty and will return false
test.pushValue(4);

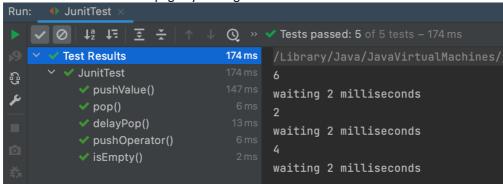
assertFalse(test.isEmpty());

// this one for testing not push any value, and stack is empty and will return true
// assertTrue(test.isEmpty());
```

Here is the result. If it has an error, then it will show up error with red line.



You can also test the whole page by clicking the run class button.



For method pushOperator () since it cannot return anything from void, I just write down the correct answer and check the difference with output.