

Lab Goal : The lab was designed to teach you how to use arrays to simplify solving more complex problems.

Lab Description : Generate a Fibonacci sequence. Each number in the Fibonacci sequence is the sum of the two preceding numbers in the sequence. The first two numbers in the sequence are both 1. The third number is 2, the fourth number is 3, the fifth number is 5, and the sixth number is 8. The program should be able to return a specified number in the fibo sequence. If a number is specified that is out of range, a -1 should be returned.

Sample Data :

```
set size to 50
1
2
3
4
5
6
11
16
21
31
41
46
set size to 1
1
set size to 2
1
2
11
```

Files Needed ::

```
Fibonacci.java
FibonacciRunner.java
```

Sample Output :

```
1
1
2
3
5
8
89
987
10946
1346269
165580141
1836311903
1
1
1
-1
```