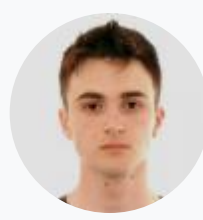6 0 0 0
Score: 15.000 (=100.0%)

1 🙂 2 🙂 3 🙂 4 🙂 5 🙂 6 🙂

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3 days
19:05:30

Done

Score: 2.500 (=100.0%)

Id: 41267

Potrebno je napisati klasu `FibonacciIterator` koja implementirata sučelje `java.util.Iterator<Integer>`. Klasi se u konstruktoru prosljeđuje koliko brojeva će generirati. Ako se pošalje negativan broj potrebno je baciti `IllegalArgumentException`.

Klasa ima vidljivost postavljenu na *package private.*

Primjer korištenja:

```
Iterator<Integer> iterator = new FibonacciIterator(10);
while(iterator.hasNext())
    System.out.println(iterator.next());
```

Očekivani ispis:

```
0
1
1
2
3
5
8
13
21
34
```

Student's answer:

```java
1  import java.util.NoSuchElementException;
2
3  class FibonacciIterator implements Iterator<Integer>{
4      private int toGenerate;
5      private int num1 = 0, num2 = 1, num3 = 0;
6      private int count = 0;
7
8      public FibonacciIterator(int toGenerate) {
9          if (toGenerate < 0) {
10             throw new IllegalArgumentException();
11         }
12         this.toGenerate = toGenerate;
13     }
14
15     @Override
16     public boolean hasNext() {
17         return count < toGenerate;
18     }
19
20     @Override
21     public Integer next() {
22         if(!hasNext()) {
23             throw new NoSuchElementException();
24         }
25         if(count == 0) {
26             count++;
27             return 0;
28         }
29         num3 = num1 + num2;
30         num1 = num2;
31         num2 = num3;
32         count++;
33         return num1;
34     }
35 }
36
```

Correct answer:

```
1 This test does not have "show solutions" option enabled.
```

Hint: Correct. Well done!

Exam results obtained during submission evaluation:

#	stdin	stdout	expected	stderr	percentage	hint	mode	correct?
1	functionality	OK	OK	EdgarLibrary v0.11.1	100.00	Correct. Well done!	check elements order : false, case sensitive : false, ignore whitespace : true	true
2	edge	OK	OK	EdgarLibrary v0.11.1	40.00	Correct. Well done!	check elements order : false, case sensitive : true, ignore whitespace : true	true

Student's result   Correct result

Rerun student's code