**Fibonacci Number**

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Java

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Fibonacci number

Please follow the requirements :-)

* Should return n-th member of Fibonacci sequence.
* Throw IllegalArgumentException for negative numbers .

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package javaapplication28;

/\*\*

\*

\* @author Usuario

\*/

public class JavaApplication28 {

public static long fib(int n) {

//return 999;

if(n < 0) {

// return 0;

throw new IllegalArgumentException("cannot be a negative value");

}

long a = 0, b = 1;

long c = a + b;

if( n < 3) return 1;

//System.out.print(a + " " + b + " ");

for(int i = 3; i <= n; i++) {

a = b;

b = c;

c = a + b;

//System.out.print(c + " ");

}

return c;

}

public static void main(String[] args) {

// TODO code application logic here

/\*

for(int i = 1; i<100; i++) {

System.out.println( i+" "+ fib(i));

}\*/

System.out.println(fib(0));

}

}