

Problem:

Fibonacci sequence.

Definition:

The Fibonacci numbers are the numbers in the following integer sequence.

0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144,

also represented as $F_n = F_{n-1} + F_{n-2}$.

with $F_0 = 0$ and $F_1 = 1$.

Given a number n, print n-th Fibonacci Number.

Sample Solution:

```
public class Main {  
    public static void main(String[] args) {  
        System.out.println(fibonacci(9));  
    }  
    private static int fibonacci(int iterations){  
        int a = 1;  
        int b = 0;  
        if(iterations==0){  
            return iterations;  
        }  
        for(int i=1;i<=iterations;i++){  
            int temp = b;  
            b = a+b;  
            a = temp;  
        }  
        return b;  
    }  
}
```

Conversation: