

Java Bytecode

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javac Fibonacci.java
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javap -c Fibonacci
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```
public class Fibonacci {  
    public Fibonacci();  
        Code:  
        0: aload_0  
        1: invokespecial #1           // Method java/lang/Object."<init>":()V  
        4: return  
  
    public static int fibonacci(int);  
        Code:  
        0: iload_0  
        1: iconst_1  
        2: if_icmpgt     7  
        5: iload_0  
        6: ireturn  
        7: iload_0  
        8: iconst_1  
        9: isub  
       10: invokestatic  #7           // Method fibonacci:(I)I  
       13: iload_0  
       14: iconst_2  
       15: isub  
       16: invokestatic  #7           // Method fibonacci:(I)I  
       19: iadd  
       20: ireturn  
  
    public static void main(java.lang.String[]);  
        Code:  
        0: bipush      10  
        2: istore_1  
        3: getstatic    #13          // Field java/lang/System.out:Ljava/io/PrintStream;  
        6: iload_1  
        7: invokedynamic #19,  0     // InvokeDynamic #0:makeConcatWithConstants:(I)Ljava/lang/String;  
       12: invokevirtual #23          // Method java/io/PrintStream.println:(Ljava/lang/String;)V  
       15: iconst_0
```

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16: istore_2
17: iload_2
18: iload_1
19: if_icmpge      43
22: getstatic      #13          // Field java/lang/System.out:Ljava/io/PrintStream;
25: iload_2
26: invokestatic    #7           // Method fibonacci:(I)I
29: invokedynamic   #29, 0       // InvokeDynamic #1:makeConcatWithConstants:(I)Ljava/lang/String;
34: invokevirtual   #30          // Method java/io/PrintStream.print:(Ljava/lang/String;)V
37: iinc            2, 1
40: goto            17
43: getstatic      #13          // Field java/lang/System.out:Ljava/io/PrintStream;
46: invokevirtual   #33          // Method java/io/PrintStream.println:()V
49: return
}

```