

# Java-Bytecode

```
javac Fibonacci.java
```

```
javap -c Fibonacci
```

```
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
```

```

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
}

```