

Bytecode Java

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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
}

}
```