

JAVA EXAMPLES - CALCULATING FIBONACCI SERIES

http://www.tutorialspoint.com/javaexamples/method_fibonacci.htm

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Problem Description:

How to use method for calculating Fibonacci series?

Solution:

This example shows the way of using method for calculating Fibonacci Series upto n numbers.

```
public class MainClass {
    public static long fibonacci(long number) {
        if ((number == 0) || (number == 1))
            return number;
        else
            return fibonacci(number - 1) + fibonacci(number - 2);
    }
    public static void main(String[] args) {
        for (int counter = 0; counter <= 10; counter++){
            System.out.printf("Fibonacci of %d is: %d\n",
                counter, fibonacci(counter));
        }
    }
}
```

Result:

The above code sample will produce the following result.

```
Fibonacci of 0 is: 0
Fibonacci of 1 is: 1
Fibonacci of 2 is: 1
Fibonacci of 3 is: 2
Fibonacci of 4 is: 3
Fibonacci of 5 is: 5
Fibonacci of 6 is: 8
Fibonacci of 7 is: 13
Fibonacci of 8 is: 21
Fibonacci of 9 is: 34
Fibonacci of 10 is: 55
```