

# FIBONNACI SEQUENCE

## Code:

```
2  package com.mycompany.fibonnaci;
3  import java.util.*;
4  public class Fibonnaci {
5
6      public static void main(String[] args) {
7          Scanner input = new Scanner(System.in);
8          System.out.print("Enter index for a Fibonacci number: ");
9          int index = input.nextInt();
10         System.out.println("The Fibonacci number at index " + index + " is " + fib(index));
11     }
12     public static long fib(long index) {
13         if (index == 0)
14             return 0;
15         else if (index == 1)
16             return 1;
17         else
18             return fib(index - 1) + fib(index - 2);
19     }
20 }
```

## Output:

```
Enter index for a Fibonacci number: 6
The Fibonacci number at index 6 is 8
```