

```
scala> def fib2( n : Int ) : Int = {  
    |   var a = 0  
    |   var b = 1  
    |   var i = 0  
    |  
    |   while( i < n ) {  
    |       val c = a + b  
    |       a = b  
    |       b = c  
    |       i = i + 1  
    |   }  
    |   return a  
    | }  
fib2: (n: Int)Int
```

```
scala> fib2(6)  
res6: Int = 8
```