

```
3   var a = 0
4   var b = 1
5   var i = 0
6
7   while( i < n ) {
8       val c = a + b
9       a = b
10      b = c
11      i = i + 1
12  }
13  return a
14 }
```

fib1: (n: Int)Int

Command took 0.15 seconds -- by mishra.cickyl@gmail.com at 5/15/2018, 7:44:06 PM on acadgild

Cmd 9

```
1  fib1(5)
```

res11: Int = 5

```
1  //Task_1, part_2
2  def fib2( n : Int) : Int = n match {
3      case 0 | 1 => n
4      case _ => fib2( n-1 ) + fib2( n-2 )
5  }
```

fib2: (n: Int)Int

Command took 0.15 seconds -- by mishra.cickyl@gmail.com at 5/15/2018, 7:44:38 PM on acadgild

Cmd 11

```
1  fib2(5)
```

res13: Int = 5