



Getting Started

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## TOUR OF SCALA

# NESTED METHODS

In Scala it is possible to nest method definitions. The following object provides a `factorial` method for computing the factorial of a given number:

```
def factorial(x: Int): Int = {
  def fact(x: Int, accumulator: Int): Int = {
    if (x <= 1) accumulator
    else fact(x - 1, x * accumulator)
  }
  fact(x, 1)
}

println("Factorial of 2: " + factorial(2))
println("Factorial of 3: " + factorial(3))
```

The output of this program is:

```
Factorial of 2: 2
Factorial of 3: 6
```

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