

# Control Structures

# Introduction

- ❖ The Scala programming language allows us to create our own control structures.
- ❖ The simplest approach for creating a new control structure would be defining a new function.

# Code Sample

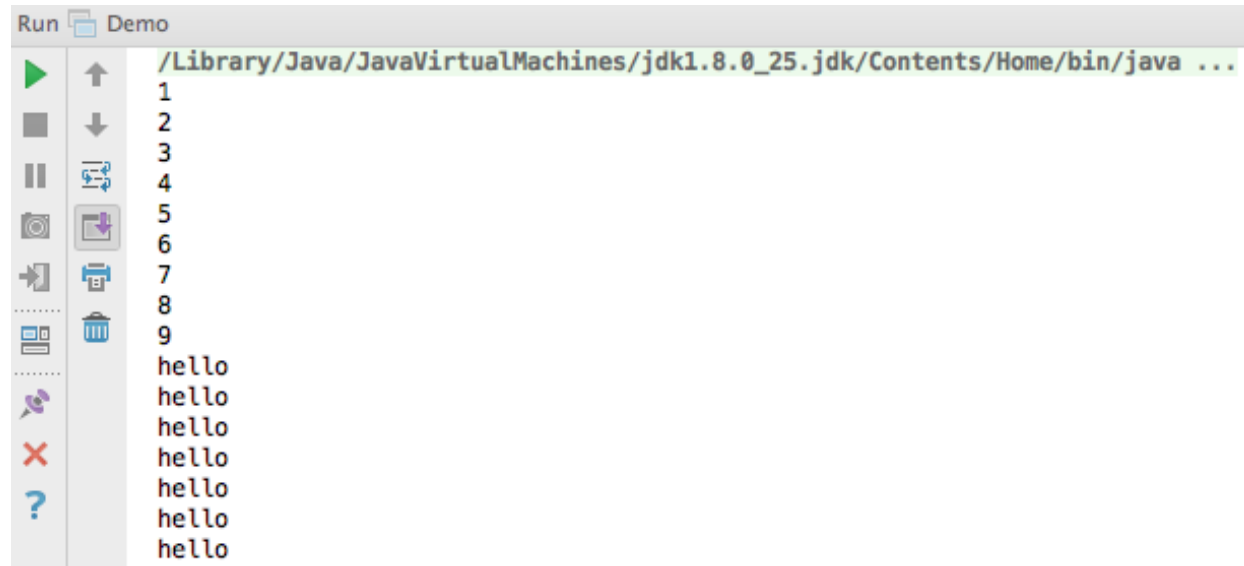
```
import MyControlStructures._

object Demo
{
  def main(array: Array[String])
  {
    var i = 1
    loop(i<10) {
      println(i)
      i = i+1
    }
    simplefor(7) {
      println("hello")
    }
  }
}
```

# Code Sample

```
object MyControlStructures {  
  def loop(condition: => Boolean) (code: => Unit) {  
    if (condition) {  
      code  
      loop(condition) (code)  
    }  
  }  
  def simplefor(loops: => Int) (code: => Unit) {  
    if(loops>0) {  
      code  
      simplefor(loops - 1) (code)  
    }  
  }  
}
```

# Code Sample



```
Run Demo
/Library/Java/JavaVirtualMachines/jdk1.8.0_25.jdk/Contents/Home/bin/java ...
1
2
3
4
5
6
7
8
9
hello
hello
hello
hello
hello
hello
hello
```