## Codificação de Programas em Linguagem Scala

```
/* ALG01 */
                                            /* ALG07 */
object Estudo extends App {
                                            import scala.io.StdIn
                                            object Estudo extends App {
 println("Bom dia")
                                              var X: Int = 0
                                              var Y: Int = 0
                                              var Z: Int = 0
/* ALG02 */
                                             X = scala.io.StdIn.readInt()
import scala.io.StdIn
                                              Y = scala.io.StdIn.readInt()
object Estudo extends App {
                                              if (X > 100) {
 var X: Int = 0
                                               Z = X + Y
 X = StdIn.readInt()
                                                println(Z)
                                              }
 println(X)
                                            }
/* ALG03 */
                                            /* ALG08 */
import scala.io.StdIn
                                            import scala.io.StdIn
import scala.math.pow
                                           object Estudo extends App {
object Estudo extends App {
                                             var X: Int = 0
 var X: Int = 0
                                              var Y: Int = 0
 var Y: Int = 0
                                             X = scala.io.StdIn.readInt()
                                              Y = scala.io.StdIn.readInt()
 X = scala.io.StdIn.readInt()
 Y = pow(X, 2).toInt
                                              if (X \le Y)
                                               println(X)
 println(Y)
                                              else
                                                println(Y)
/* ALG04 */
import scala.io.StdIn
object Estudo extends App {
                                            /* ALG09 */
 var X: Int = 0
                                            import scala.io.StdIn
 var Y: Int = 0
                                            import scala.math.pow
 var Z: Int = 0
                                            object Estudo extends App {
 X = scala.io.StdIn.readInt()
                                             var X: Int = 0
                                              var Y: Int = 0
 Y = scala.io.StdIn.readInt()
 Z = X + Y
                                              X = scala.io.StdIn.readInt()
                                              if (X >= 10)
 println(Z)
                                                Y = pow(X, 2).toInt
                                              else
                                                Y = pow(X, 3).toInt
/* ALG05 */
                                              println(Y)
import scala.io.StdIn
import scala.math.pow
object Estudo extends App {
 var X: Int = 0
                                            /* ALG10 */
 var Y: Int = 0
                                           import scala.io.StdIn
 var Z: Int = 0
                                           object Estudo extends App {
 X = scala.io.StdIn.readInt()
                                            var X: Int = 0
 Y = scala.io.StdIn.readInt()
                                             var Y: Int = 0
                                             var N1: Int = 0
 Z = pow(X, 2).toInt + pow(Y, 2).toInt
 println(Z)
                                              var N2: Int = 0
                                              X = StdIn.readInt()
                                              Y = StdIn.readInt()
                                              if (X > Y) {
/* ALG06 */
                                               N1 = Y
import scala.io.StdIn
                                               N2 = X
object Estudo extends App {
                                              } else {
 var X: Int = 0
                                                N1 = X
 X = scala.io.StdIn.readInt()
 if (X > 100)
   println(X)
                                              println(N1)
                                              println(N2)
```

## Codificação de Programas em Linguagem Scala

```
/* ALG11 */
object Estudo extends App {
 var X: Int = 0
 var I: Int = 1
 while (I <= 10) {
   println(X)
   X = X + 2
   I = I + 1
}
/* ALG12 */
object Estudo extends App {
 var X: Int = 1
 var I: Int = 1
 while (I <= 10) {
   println(X)
   X = X * 2
   I = I + 1
}
```