

Codificação de Programas em Linguagem Scala

```
/* ALG01 */
object Estudo extends App {
  println("Bom dia")
}
```

```
/* ALG02 */
import scala.io.StdIn
object Estudo extends App {
  var X: Int = 0
  X = StdIn.readInt()
  println(X)
}
```

```
/* ALG03 */
import scala.io.StdIn
import scala.math.pow
object Estudo extends App {
  var X: Int = 0
  var Y: Int = 0
  X = scala.io.StdIn.readInt()
  Y = pow(X, 2).toInt
  println(Y)
}
```

```
/* ALG04 */
import scala.io.StdIn
object Estudo extends App {
  var X: Int = 0
  var Y: Int = 0
  var Z: Int = 0
  X = scala.io.StdIn.readInt()
  Y = scala.io.StdIn.readInt()
  Z = X + Y
  println(Z)
}
```

```
/* ALG05 */
import scala.io.StdIn
import scala.math.pow
object Estudo extends App {
  var X: Int = 0
  var Y: Int = 0
  var Z: Int = 0
  X = scala.io.StdIn.readInt()
  Y = scala.io.StdIn.readInt()
  Z = pow(X, 2).toInt + pow(Y, 2).toInt
  println(Z)
}
```

```
/* ALG06 */
import scala.io.StdIn
object Estudo extends App {
  var X: Int = 0
  X = scala.io.StdIn.readInt()
  if (X > 100)
    println(X)
}
```

```
/* ALG07 */
import scala.io.StdIn
object Estudo extends App {
  var X: Int = 0
  var Y: Int = 0
  var Z: Int = 0
  X = scala.io.StdIn.readInt()
  Y = scala.io.StdIn.readInt()
  if (X > 100) {
    Z = X + Y
    println(Z)
  }
}
```

```
/* ALG08 */
import scala.io.StdIn
object Estudo extends App {
  var X: Int = 0
  var Y: Int = 0
  X = scala.io.StdIn.readInt()
  Y = scala.io.StdIn.readInt()
  if (X <= Y)
    println(X)
  else
    println(Y)
}
```

```
/* ALG09 */
import scala.io.StdIn
import scala.math.pow
object Estudo extends App {
  var X: Int = 0
  var Y: Int = 0
  X = scala.io.StdIn.readInt()
  if (X >= 10)
    Y = pow(X, 2).toInt
  else
    Y = pow(X, 3).toInt
  println(Y)
}
```

```
/* ALG10 */
import scala.io.StdIn
object Estudo extends App {
  var X: Int = 0
  var Y: Int = 0
  var N1: Int = 0
  var N2: Int = 0
  X = StdIn.readInt()
  Y = StdIn.readInt()
  if (X > Y) {
    N1 = Y
    N2 = X
  } else {
    N1 = X
    N2 = Y
  }
  println(N1)
  println(N2)
}
```

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```
/* 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
  }
}
```