EJERCICIOS DE KOTLIN CON FOR

2CV22 HERNANDEZ GONZALEZ JOSEPH FABRIZZIO

Kotlin

```
"C:\Program Files\Java\jdk-22\
=== Triángulo 1 ===
      *
     **
    ***
   ****
  *****
 ******
*******

=== Triángulo 2 ===
*
**
***
****
*****
******
*******
********

=== Triángulo 3 ===
********
 *******
  ******
   *****
    ****
     ***
      **
       *

=== Triángulo 4 ===
********
*******
******
*****
****
***
**
```

```
=== Triángulo 4 ===
*******
******
******
*****
****
***
**
*

=== Rombo ===
   *
  ***
 *****
*******
 *****
  ***
   *

=== Árbol ===
   *
  ***
 *****
*******
   ||
   ||

Process finished with exit code 0
```

```kotlin
    triangulo1()
    println()
    triangulo2()
    println()
    triangulo3()
    println()
    triangulo4()
    println()
    rombo()
    println()
    arbol()
}
//2CV22 HERNANDEZ GONZALEZ JOSEPH FABRIZZIO
// Triángulo 1
fun triangulo1() {
    println("=== Triángulo 1 ===")

    val n = 8 // Número de líneas del triángulo

    for (i in 1..n) {
        // Imprimir espacios en blanco
        for (j in 1..(n - i)) {
            print(" ")
        }
        // Imprimir asteriscos
        for (k in 1..i) {
            print("*")
        }
        println()
    }

}

// Triángulo 2
fun triangulo2() {
    println("=== Triángulo 2 ===")
    for (i in 1..8) {
        for (j in 1..i) {
            print("*")
        }
        println()
    }
}


// Triángulo 3
fun triangulo3() {
    println("=== Triángulo 3 ===")
    for (i in 8 downTo 1) {
```

```kotlin
        for (j in 1..8 - i) {
            print(" ")
        }
        for (k in 1..i) {
            print("*")
        }
        println()
    }
}

// Triángulo 4
fun triangulo4() {
    println("=== Triángulo 4 ===")
    for (i in 8 downTo 1) {
        for (j in 1..i) {
            print("*")
        }
        println()
    }
}

// Rombo
fun rombo() {
    println("=== Rombo ===")
    for (i in 1..4) {
        for (j in 1..4 - i) {
            print(" ")
        }
        for (k in 1..(2 * i - 1)) {
            print("*")
        }
        println()
    }
    for (i in 3 downTo 1) {
        for (j in 1..4 - i) {
            print(" ")
        }
        for (k in 1..(2 * i - 1)) {
            print("*")
        }
        println()
    }
}

// Árbol
fun arbol() {
    println("=== Árbol ===")
    for (i in 1..4) {
        for (j in 1..4 - i) {
```

```
            print(" ")
        }
        for (k in 1..(2 * i - 1)) {
            print("*")
        }
        println()
    }
    for (i in 1..2) {
        println("   ||")
    }
}
```