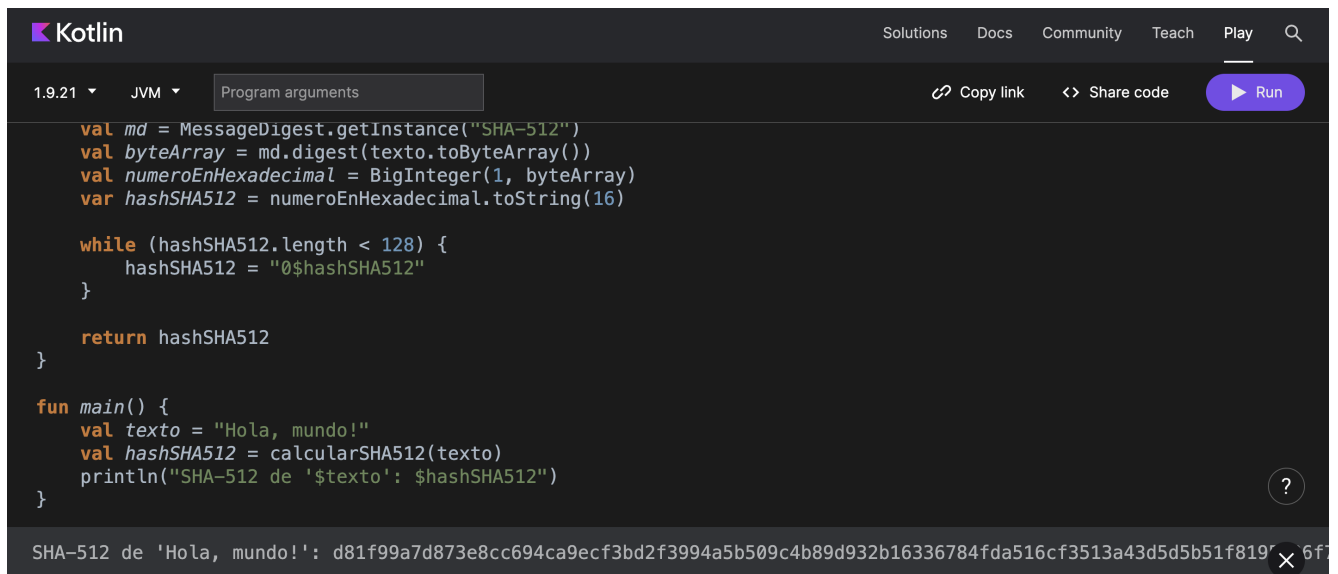


SHA512 en Kotlin

[crayon-6a9d5792f0382630021870/]

Explicación del código:

1. **Función calcularSHA512:**
2. **Función main:**



The screenshot shows the Kotlin Playground interface. At the top, there's a header with the Kotlin logo and navigation links: Solutions, Docs, Community, Teach, Play, and a search icon. Below the header, there's a toolbar with a version dropdown (1.9.21), a JVM dropdown, a text input field for "Program arguments", and buttons for "Copy link", "Share code", and "Run". The main area contains Kotlin code for calculating a SHA512 hash. The code defines a function `calcularSHA512` that takes a string and returns its SHA512 hash as a hexadecimal string. It also includes a `main` function that calls `calcularSHA512` with the string "Hola, mundo!". At the bottom, the output of the program is displayed: "SHA-512 de 'Hola, mundo!': d81f99a7d873e8cc694ca9ecf3bd2f3994a5b509c4b89d932b16336784fda516cf3513a43d5d5b51f819f6f7".

```
val md = MessageDigest.getInstance("SHA-512")
val byteArray = md.digest(texto.toByteArray())
val numeroEnHexadecimal = BigInteger(1, byteArray)
val hashSHA512 = numeroEnHexadecimal.toString(16)

while (hashSHA512.length < 128) {
    hashSHA512 = "0$hashSHA512"
}

return hashSHA512
}

fun main() {
    val texto = "Hola, mundo!"
    val hashSHA512 = calcularSHA512(texto)
    println("SHA-512 de '$texto': $hashSHA512")
}
```

SHA-512 de 'Hola, mundo!': d81f99a7d873e8cc694ca9ecf3bd2f3994a5b509c4b89d932b16336784fda516cf3513a43d5d5b51f819f6f7