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| <pre>val s1 = "" multi-line // String to val i = 10 print("i = 1) print("For Kotlin // Arrays / val emptyArr val emptyLis val myArray // Sets val emptySet val mySet = // Maps val emptyMap val myMap = "value1", "% Kotlin // Declarat: var id: Int id.inc() // id!!.inc() id?.inc() // id!.inc() // // Elvis ope val id: Int</pre> | "This is string." List ray = ar st = lis = array t = setC setOf(" p = empt mutable key2" to string." compila // Excep // Safe of erator ? = null erator ? = null erator ? = null | prints "i = 10" \${obj.field}") crayOf <string>() ctOf<string>() cof("1", "2", "3") cyMap<string, int="">() cyMapOf("key1" to cymapOf("key1" to cymapOf("key1") lation error</string,></string></string> | <pre>let s1 = """This is a multi-line string.""" // String templates let i = 10 let message = "i = \(multiplier)" print("For objects \(obj.field)") Swift // Arrays var emptyArray = [Int]() var myArray = ["1", "2", "3"] // Sets var emptySet = Set<string>(["1", "2"]) // Maps var emptyMap = [String: Int]() var myMap = ["key1": "value1", "key" value2"] Swift // Declaration var id: Int? = nil</string></pre> |
| <pre>multi-line // String to val i = 10 print("i = print("For Kotlin // Arrays / val emptyArr val emptyLis val myArray // Sets val emptySet val mySet = // Maps val emptyMap val myMap = "value1", "k Kotlin // Declarat: var id: Int id.inc() // id!!.inc() id?.inc() // // Elvis ope val id: Int</pre> | string. semplates \$i") // objects List ray = ar st = lis = array t = setC setOf(" p = empt mutable key2" to compila // Excep // Safe of erator ? = null erator ? = null | prints "i = 10" \${obj.field}") rayOf <string>() stOf<string>() Of("1", "2", "3") Of<string>() '1", "2"") cyMap<string, int="">() eMapOf("key1" to "value2") Lation error</string,></string></string></string> | <pre>multi-line string."" // String templates let i = 10 let message = "i = \(multiplier)" print("For objects \(obj.field)") Swift // Arrays var emptyArray = [Int]() var myArray = ["1", "2", "3"] // Sets var emptySet = Set<string>(["1", "2"]) // Maps var emptyMap = [String: Int]() var myMap = ["key1": "value1", "key" value2"] Swift // Declaration var id: Int? = nil</string></pre> |
| Kotlin // Arrays / val emptyArr val emptyLis val myArray // Sets val emptySet val mySet = // Maps val emptyMap val myMap = "value1", "k Kotlin // Declarat: var id: Int id.inc() // id!!.inc() // id!.inc() // id?.inc() // // Elvis ope val id: Int | List ray = ar st = lis = array t = setC setOf(" p = empt mutable key2" to compila // Excep // Safe compila // Excep | \${obj.field}") PrayOf <string>() StOf<string>() Of("1", "2", "3") Of<string>() '1", "2"") SyMap<string, int="">() MapOf("key1" to O "value2") Leation error</string,></string></string></string> | <pre>print("For objects \(obj.field)") Swift // Arrays var emptyArray = [Int]() var myArray = ["1", "2", "3"] // Sets var emptySet = Set<string>() var mySet = Set<string>(["1", "2"]) // Maps var emptyMap = [String: Int]() var myMap = ["key1": "value1", "key"value2"] Swift // Declaration var id: Int? = nil</string></string></pre> |
| <pre>// Arrays / val emptyArr val emptyLis val myArray // Sets val emptySet val mySet = // Maps val emptyMap val myMap = "value1", "k Kotlin // Declarat: var id: Int id.inc() // id!!.inc() id?.inc() // id?.inc() // // Elvis ope val id: Int</pre> | ray = ar st = lis = array t = setC setOf(" p = empt mutable key2" to compila // Excep // Safe of erator ? = null | tof <string>() Of("1", "2", "3") Of<string>() '1", "2"") CyMap<string, int="">() MapOf("key1" to O "value2") L Ation error</string,></string></string> | <pre>// Arrays var emptyArray = [Int]() var myArray = ["1", "2", "3"] // Sets var emptySet = Set<string>() var mySet = Set<string>(["1", "2"]) // Maps var emptyMap = [String: Int]() var myMap = ["key1": "value1", "key"value2"] Swift // Declaration var id: Int? = nil</string></string></pre> |
| <pre>val emptyArr val emptyLis val myArray // Sets val emptySet val mySet = // Maps val emptyMap val myMap = "value1", "k Kotlin // Declarat: var id: Int id.inc() // id!!.inc() // id!!.inc() // id!.inc() // // Elvis ope val id: Int</pre> | ray = ar st = lis = array t = setC setOf(" p = empt mutable key2" to compila // Excep // Safe of erator ? = null | tof <string>() Of("1", "2", "3") Of<string>() '1", "2"") CyMap<string, int="">() MapOf("key1" to O "value2") L Ation error</string,></string></string> | <pre>var emptyArray = [Int]() var myArray = ["1", "2", "3"] // Sets var emptySet = Set<string>() var mySet = Set<string>(["1", "2"]) // Maps var emptyMap = [String: Int]() var myMap = ["key1": "value1", "key" value2"] Swift // Declaration var id: Int? = nil</string></string></pre> |
| <pre>val emptySet val mySet = // Maps val emptyMap val myMap = "value1", "k Kotlin // Declarat: var id: Int id.inc() // id!!.inc() id?.inc() // val id: Int</pre> | <pre>setOf(' p = empt mutable key2" to Compila // Excep // Safe of erator ? = null</pre> | '1", "2"") cyMap <string, int="">() eMapOf("key1" to) "value2") L ation error</string,> | <pre>var emptySet = Set<string>() var mySet = Set<string>(["1", "2"]) // Maps var emptyMap = [String: Int]() var myMap = ["key1": "value1", "key" "value2"] Swift // Declaration var id: Int? = nil</string></string></pre> |
| <pre>val emptyMap val myMap = "value1", "k Kotlin // Declarat: var id: Int id.inc() // id!!.inc() // id!!.inc() // // Elvis ope val id: Int</pre> | <pre>ion ? = null Compila // Excep / Safe of erator ? = null</pre> | eMapOf("key1" to "value2") Lation error | <pre>var emptyMap = [String: Int]() var myMap = ["key1": "value1", "key "value2"] Swift // Declaration var id: Int? = nil</pre> |
| <pre>// Declarat: var id: Int id.inc() // id!!.inc() id?.inc() // // Elvis ope val id: Int</pre> | ? = null // Excep // Safe of erator ? = null | ation error | <pre>// Declaration var id: Int? = nil</pre> |
| <pre>var id: Int id.inc() // id!!.inc() id?.inc() // // Elvis ope val id: Int</pre> | ? = null // Excep // Safe of erator ? = null | ation error | var id: Int? = nil |
| val id: Int | ? = null | call | id?.signum() // Safe call |
| // Optionals | <pre>// Elvis operator val id: Int? = null var userId = id ?: -1 // prints -1 // Optionals val id: Int? var userId = id ?: -1 // id must be initialized Kotlin // When val id = 5 when (id) { 1 -> print("id == 1") 2 -> print("id == 2") else -> { print("id is undefined")</pre> | | <pre>// nil-coalescing operator let id: Int? = nil var userId = id ?? -1 // prints -1 // Optionals</pre> |
| val id: Int | | | <pre>var id: Int? // optional var id: Int = 1 // non-optional, mu be initialized Swift // Switch - case let id = 5 switch id { case 1: print("id == 1") case 2: print("id == 2")</pre> |
| | | | |
| val id = 5 when (id) { | | | |
| 2 -> print else -> { | | | |
| } | | | <pre>default: print("id is undefined") }</pre> |
| | | | |
| | <pre>// Inclusive for loop for (index in 15) {} // Cascade notation () N/A You can use the Builder pattern or scope functions apply or also</pre> | | <pre>// Inclusive for loop for index in 15 {}</pre> |
| N/A You can use | | | <pre>// Cascade notation () N/A Builder, apply{} extension</pre> |
| | Swift | | |
| : String): String { | func gre | et(name: String) -> String { | |
| : String): String {} | fun gree | t(_ name: String) {} | |
| e: String}) {} John") | fun gree | t(name: String) {} | |
| : String = "John") {} | fun gree | t(name: String = "John") {} rgs | |
| n | // Tuple | return Rates() -> (Int, Int, Int) { | |
| losure / lambda square = { x:Int -> x * x } t(square(4)) // prints 16 | | re = { (x: Int) -> Int in | |
| * this | extension Int { 	func square() -> Int { 	return self * self 	} } | | |
| | print(5. | | |
| are { | | <pre>Swift // Declaration class Square { var color = 0</pre> | |
| et(name: String) | | <pre>var color = 0 func greet(name: String) return "Hello \(name) } </pre> | |
| ctivity: AppCompatActi | | // Inheritance class Controller: UIViewCon | ntroller {} |
| s User(var name:String | er(var name:String) struct User { var name: String ser("John") } | | |
| e = "Bob" | b | user1.name = "Bob" | |
| Nameable { | print(user2. Protocol // Interface able { protocol Name | | John |
| String name() {} } void call <t extends="" nameable=""> (Nameable x) { fun name(): String } fun call<t: nameable="">(user: T) { println("User is " + user.nameable)</t:></t> | | <pre>func name() -> String } func call<t: nameable="">(user: T) { e()) print("User is " + user.name())</t:></pre> | |
| • | | } | |
| | x:Int -> x * x } c) // prints 16 c(): Int { * this c(): Int { * thi | <pre># string): String { # string}: String { #</pre> | func greet(name: String) -> String { |