## Your grade: 100%

Your latest: 100% • Your highest: 100%

To pass you need at least 80%. We keep your highest score.



1. What is the result of the below code?

```
1 fun main() {
2  val value = true
3  println("$value || false")
4 }
```

$\bigcirc$	false
$\sim$	

- true || false
- O true
  - Correct

Correct! When you use \$ without bracket, you only inline a variable value, not the result of an expression.

2. What is the result of the below code?

```
1 fun main() {
2  println(true && false)
3  println (true || false)
4 }
```

$\bigcirc$	false
	false

false true

true false

true true

**⊘** Correct

Correct! && gives true only when both sides are true. || gives true if any of its sides is true.

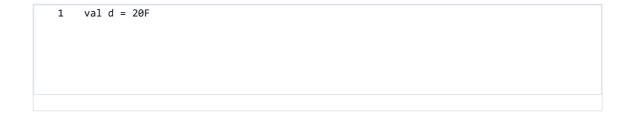
3. What is the result of the below code?

```
fun main() { val dogType = "Foxhound"
 2
     val expectedWeight =
        when (dogType) {
 3
             "Labrador Retriever" -> "25 - 36"
             "Fox Terrier" -> "7 - 8"
 5
             "Border Collie" -> "12 - 20"
 6
             "Foxhound" -> "31 - 32"
 7
             else -> "(unknown)"
8
9
         }
10
11
     println("The weight of $dogType should be $expectedWeight kg")
12
```

The weight of Foxhound should	uld be	unknown)	) ka
The weight of Foxhound shot	ulu be i	ariiki lovvii	, ng

- The weight of Fox Terrier should be 7 8 kg
- The weight of Border Collie should be 12 20 kg
- The weight of Foxhound should be 31 32 kg

4. The data type of the variable d in the code below is \_\_\_\_\_ ?



- decimal
- ( ) int
- float
  - **⊘** Correct

Correct. Float is an floating point number representation. You create it using the 'F' or 'f' suffix.

5. What is the output of the code below?

```
fun main() {
    val i = 1
    if (i > 8) {
        println("Michael")
    } else {
        println("Tonia")
    }
}
```

- Michael
- Tonia
  - **⊘** Correct

Correct. Prints Tonia since i is equals to 1 and less than 8.

6. What will happen to the while statement in the code below?

```
fun main() {
    while (true) {
        println("Hello world!")
    }
}
```

- O Prints once
- Prints Intermittently
- Prints forever
  - Correct

Correct. You should not use while conditions with a predicate that returns true. Such a code will run forever, unless you stop it.

7. What is the output of the code below?

```
1 fun main() {
2    val i = 1
3    if (i < 3) {
4        println("Smaller")
5    } else {
6        println("Bigger")
7    }
8 }</pre>
```

	O Bigger
	Smaller
	<ul> <li>♥ Correct</li> <li>Correct. Prints Smaller since i is equal to 1 and lesser than 3.</li> </ul>
8.	The data type of the variable c in the code below is
	1 val c = 40.0
	○ Float
	○ Float
	O Decimal
	Double
9.	The data type of the variable b in the code below is
	1 val b = 15L
	○ float
	O decimal
	long

Correct. Long is an integer representation supporting larger numbers. You create it using 'L.'

10.	The Int data type is used to store	_numbers.	1 / 1 point
	decimal		
	whole		
	short		
	<ul> <li>Correct</li> <li>Correct. You use the int data type to store whole</li> </ul>	numbers.	