Your grade: 100%

Your latest: **100%** • Your highest: **100%**
To pass you need at least 80%. We keep your highest score.

Next item →

1. What is the result of the below code?

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

- ○ false
- ◉ true || false
- ○ 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?

```
fun main() {
    println(true && false)
    println (true || false)
}
```

- ○ 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"
val expectedWeight =
    when (dogType) {
        "Labrador Retriever" -> "25 - 36"
        "Fox Terrier" -> "7 - 8"
        "Border Collie" -> "12 - 20"
        "Foxhound" -> "31 - 32"
        else -> "(unknown)"
    }

println("The weight of $dogType should be $expectedWeight kg")
}
```

- ○ The weight of Foxhound should be (unknown) kg
- ○ 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

Correct
Perfect!

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

```
val d = 20F
```

- ○ 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!")
    }
}

```

- ○ 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?

```
fun main() {
    val i = 1
    if (i < 3) {
        println("Smaller")
    } else {
        println("Bigger")
    }
}
```

- ○ Bigger
- ◉ Smaller

Correct
Correct. Prints Smaller since i is equal to 1 and lesser than 3.

8. The data type of the variable c in the code below is _____

```
1   val c = 40.0
```

- ○ Float
- ○ Decimal
- ◉ Double

Correct
Correct. Double is the default decimal number representation.

9. The data type of the variable b in the code below is _____

```
1   val b = 15L
```

- ○ float
- ○ decimal
- ◉ long

Correct

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

Correct
Correct. You use the int data type to store whole numbers.