Your grade: **80%**

Your latest: **80%** • Your highest: **80%**

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

Next item →

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1. What is the result of the below code?   **1 / 1 point**

```
1   fun main() {
2       val value = 0
3
4       when {
5           value > 0 -> println("Positive")
6           value < 0 -> println("Negative")
7           else -> println("Other")
8       }
9   }
```

🔘 Other

   Perfect! The value 0 is neither greater than 0 nor smaller than 0.

⚪ Negative

⚪ Positive

---

2. What is the result of the below code?   **1 point**

```
1   fun main() {
2
3       val dogType = "Border Collie"
4
5       val expectedWeight =
6           when (dogType) {
7               "Labrador Retriever" -> "25 - 36"
8               "Fox Terrier" -> "7 - 8"
9               "Border Collie" -> "12 - 20"
10              "Foxhound" -> "31 - 32"
11              else -> "(unknown)"
12          }
13
14      println("The weight of $dogType should be $expectedWeight kg")
15  }
```

🔘 The weight of Border Collie should be (unknown) kg

Not quite. "Border Collie" is a value of one of the branches, so it will be chosen.

○ The weight of Fox Terrier should be 7 - 8 kg

○ The weight of Border Collie should be 12 - 20 kg

3. What is the result of the below code?   **1 / 1 point**

```
1   fun main() {
2       val name = "Rex"
3       val age = 3
4
5       val status =
6           when (age) {
7               1 -> "puppy"
8               in 2..10 -> "dog"
9               else -> "older dog"
10          }
11
12      println("$name is $status")
13  }
```

○ Rex is puppy

○ Rex is older dog.

⦿ Rex is dog

Perfect! The age is in range from 2 to 10, so the second branch is chosen.

4. What is missing in the place of ___ ?   **1 / 1 point**

```
1   val number = 123
2
3   val text =
4       when {
5           number > 0 -> "Positive"
6           number < 0 -> "Negative"
7           ____ -> "Zero"
8       }
9
```

○ true

○ false

⦿ else

If you use when as an expression, you need to provide the else branch.

5. What is the output of the code below?   **1 / 1 point**

```
1    fun main() {
2        val i = 16
3        when {
4            i > 0 -> print("Number is positive.")
5            i == 0 -> print("Number is zero.")
6            i < 0 -> print("Number is negative.")
7        }
8    }
9
```

○ Number is negative.

● Number is positive.

That's correct. I is greater than zero, so the output is "Number is positive."

○ Number is zero.

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