Test Your Knowledge 4

Let's take a small quiz!

Quiz on Conditional Statements

This Quiz will take maximum 10 minutes.

1 ⚠ An `if` statement consists of a logical expression that when satisfied performs certain actions.

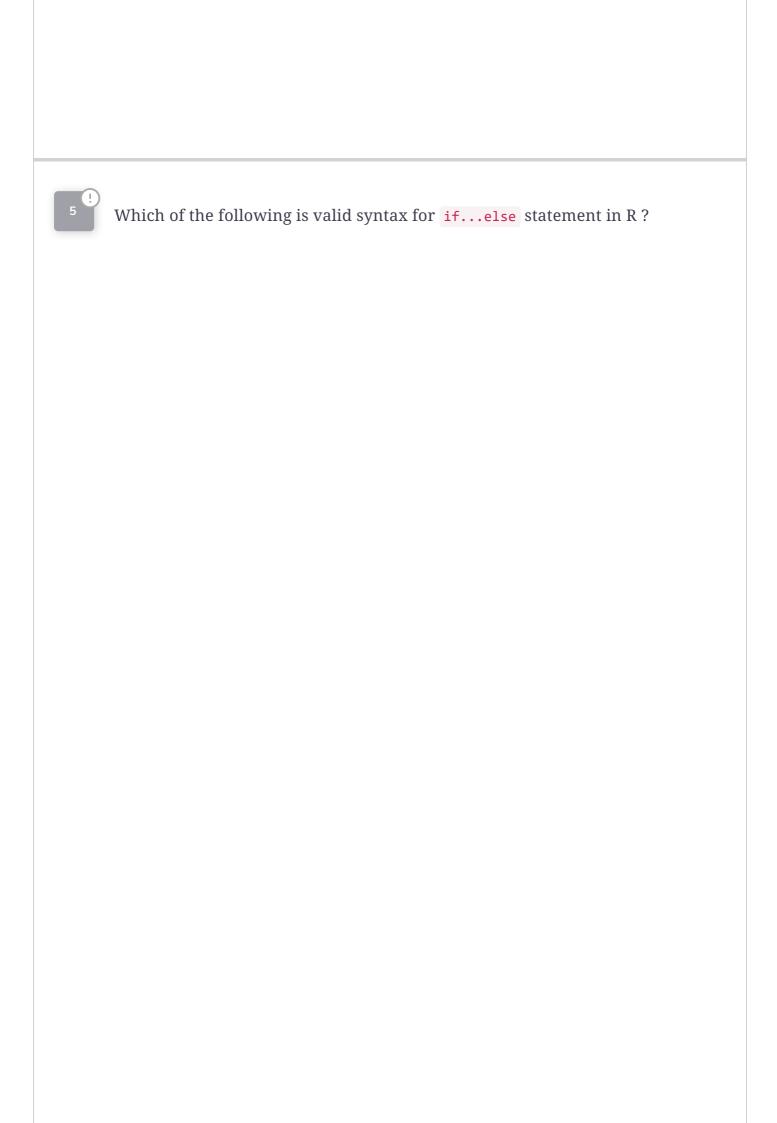**2** ⚠ How many options are possible when using a single `if...else` statement?

3 ⚠ What does the following code print?

```
sum <- 14
if ( sum < 10 )
{
   cat("Found")
} else
{
   cat("Not Found ");
}
cat("the number");
```

4 ⚠ Evaluate (to true or false) each of the following expressions:

```
10 <= 10      10 < 10       -10 > 10      -10  >  -10
```

5 Which of the following is valid syntax for `if...else` statement in R ?

6 What does the following code print?

```
sum <- 4
if ( sum < 10 )
{
  cat("Found")
}
else {
  cat("Not Found ");
  cat("the number");
}
```

7 The output of `ifelse()` function is sometimes a vector.

8

Correct syntax of `ifelse()` function is:

```
ifelse(expression, condition1, condition2)
```

9

The `expression` parameter for `ifelse()` function must return an alphabetic vector.

10

A switch statement allows a variable to be tested for equality against a list of conditions.

In the next chapter, we will learn all about loops in R.