Chapter Quiz

In the following quiz, you will be tested on concepts you learned in this chapter.

1 What are control structures used for?

2 Which statements regarding imperative and declarative programming are true? (Multiple correct answers)

3 Which statement is depictive of imperative programming?

4 How many control structures does Scala provide?

5 How does Scala bring a functional approach to imperative control structures?

6 What will be the output of the following code:

```
val array = Array(1,2,3,4,5)

for (i <- 0 until array.length) {
  if (array(i) % 2 == 0) {
    println(array(i))
  }
}
```

7

What will be the output of the following code:

```
val constantPattern: Any = List()

constantPattern match {
  case 5 => print("five")
  case true => print("truth")
  case "hello" => print("hi!")
  case Nil => print("the empty list")
  case _ => print("something else")
}
```

8

What will be the output of the following code:

```
val sequencePattern = Array(1,2,0)

sequencePattern match {
  case Array(0,_,_)  => println("case1")
  case Array(1,_,_)  => println("case2")
  case Array(_,_,0)  => println("case3")
  case _ => println("default")
}
```

9

`while` is an expression.

10 How is `while` different from the other control structures?

Retake Quiz

In the next chapter, we will jump to functions and start seeing Scala's actual power.