

Chapter Quiz

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



1

Which keyword is used for defining a function?



2

The following are optional when defining a basic function.



What is the basic idea of the **substitution model**?



What purpose do CBV and CBN have?

5

If the CBN evaluation of an expression terminates, then the CBV evaluation of the same expression is not guaranteed to terminate.

6

What does the following recursive function do?

```
def mysteryFunction(list: List[Int]): Int = {  
  def mysteryAccum(list: List[Int], theMystery: Int): Int = {  
    list match {  
      case Nil => theMystery  
      case x :: tail =>  
        val newMystery = if (x > theMystery) x else theMystery  
        mysteryAccum(tail, newMystery)  
    }  
  }  
  mysteryAccum(list, 0)  
}
```



What is the general purpose of Newton's method?



Which function definition will give an error?





Which of the following is a tail recursive function?



Which of the following statements is true for blocks?

[Retake Quiz](#)

In the next chapter, we will continue our discussion on functions and dive a bit deeper into functional programming.