# Chapter 6 Homework

1. When a method is declared, the key word \_\_\_\_ indicates a method does not return anything.
   1. Void
2. What are the components that make up a method's signature?
   1. The signature is the name and the parameters / data types
3. If two methods have the same name, what must be different in order for the code to compile?
   1. The parameters much not match by data type
4. Why will a class containing these two methods not compile?

public int getNumberBetween(int a, int b)

public double getNumberBetween(int x, int y)

a. The data types are the same for the matching parameters

1. Using the Java API, describe what the String.isEmpty() method does.
   1. Checks to ensure a string is greater than length 0