1. Select **five** methods from the **String JavaDocs** and describe the following for each:

(a) What is the method signature?

(b) What does the method do?

(c) Why would this method be useful (how could you use it)?

From https://docs.oracle.com/javase/7/docs/api/java/lang/String.html

1) Char charAt(int index) – charAt() returns the character within a String at a given index or position. For example, you could use charAt() to find all whitespace in a sentence.
2) Boolean equals(Object anObject) – This will return true if the object has the same contents as the String. For example, if a string contain the word, "Bob" , string.equals("Bob") would return true.
3) Boolean equalsIgnoreCase(String anotherString) – This will return true if anotherString has the same contents – case insensitive - as the String. For example, if a string contain the word, "BOB" , string.equalsIgnoreCase("bob") would return true.
4) Boolean isEmpty() – isEmpty() returns true if the string length is 0. This is different from a null string. Example: if (str.isEmpty()) { //do something }
5) Int length() – returns the number of characters in a String. Example: if (str.lenght() >= 10) { //do something }

What is your favorite thing you learned this week?

I learned how to make random numbers.