**Quiz 2 Practice**

**Describe what each of the following String methods do and give an example of each.**

* compareTo(Object other)
* equals(Object other)
* indexOf(String s)
* length()
* substring(int firstIndex)
* substring(int firstIndex, int secondIndex)

**Describe what each of the following Math methods do and give an example of each.**

* Math.abs(int x)
* Math.abs(double x)
* Math.pow(double base, double exp)
* Math.sqrt(double x)
* Math.random()
* Math.min(double a, double b)
* Math.max(double a, double b)

**Explain what type casting is and give an example of it.**

**Explain why == cannot be used when performing String comparisons.**

**Write the printLastA method that will print all the Strings that end with the letter “a” from the given String array.**

public void printLastA(String[] arr) {

}

**Write the swapFirstLast method that will swap the first and last elements of the given array.**

public int[] swapFirstLast(int[] arr) {

}

**Write the checkArrayMatch method that will check if two given arrays contain the same elements. Assume that the given arrays will be the same length.**

public boolean checkArrayMatch(int[] a, int[] b) {

}