

String class

```
String str = new String("This is a STRING");
```

```
int lengthOfStr = str.length();  
char firstCharacter = str.charAt(0);  
String str2 = str.toLowerCase();
```

Palindromes

A palindrome is a word or phrase that can be read the same way forward and backward.

Examples:

racecar

civic

UFO tofu

I prefer pi.

Was it a car or a cat I saw?

Palindrome Problem

Write a method that takes in a String and returns whether that String is a palindrome.

Use:

`.toLowerCase()` //converts the string to all lower case

`.charAt(int i)` //returns the char at integer i

`.length()` //returns the length of the string

Random class

```
Random random = new Random();
```

```
int aRandomNumber = random.nextInt();
```

Weather Problem

Oklahoma's weather seems really random sometimes. Write a method that tells us what tomorrow's temperature is going to be by picking a random number between 30 and 100 F.

Use:

```
.nextInt(int max);
```