

## CMSC 206: Data Structures

### Parsing

Write a method with the following description:

```
/** Converts a String to a long. The String contains a number
 * with commas every three digits, counting from the right.
 * (This format is the standard use of commas in the US for
 * large numbers.)
 *
 * @param str the input string of digits and commas
 * @return the long parsed from the String
 */
public static long parseNumber(String str)
```

Write your method in *two* different ways (get one working first, and then write the second):

1. Using the `split` method from the `String` class.
2. Using a `Scanner` and its `useDelimiter` method. Note that one constructor of `Scanner` takes a `String` to use as the `Scanner`'s input.

Test your method by writing a `main` that prints out the result of parsing several test strings.