More practice with Regular Expressions

For String manipulation

By the end of this video you will be able to...

 Write the regular expressions you will need to do the programming assignment in this module

Relating regex's to the project

```
public abstract class Document
    // The text of the whole document
    private String text;
    protected List<String> getTokens(String pattern)
```

given helper method

Relating regex's to the project

```
public class BasicDocument extends Document
{
    ...
    public int getNumWords() {
        List<String> tokens = getTokens( ??? );
        return tokens.size();
    }
}
```

```
public class BasicDocument extends Document
{
    ...
    public int getNumWords() {
        List<String> tokens = getTokens( "[a-zA-Z]+" );
        return tokens.size();
    }
}
```

```
public class BasicDocument extends Document
{
    ...
    public int getNumSentences() {
        List<String> tokens = getTokens( ??? );
        return tokens.size();
    }
}
```

"A sequence of any characters ending with end of sentence punctuation (.!?)"

```
public class BasicDocument extends Document
{
    ...
    public int getNumSentences() {
        List<String> tokens = getTokens( ??? );
        return tokens.size();
    }
}
```