

Streams

Regular Expressions (Regex)

Tip

Regex can only be used with strings

```
String regex = "put regex here"  
// Strings have a built in matches method  
System.out.println("string".matches(regex))
```

Regex Symbols

Some Facts

- Streams are similar to collections
- They don't store their own data
 - the data comes from elsewhere
 - from a collection, a file, a database, the internet
- streams were designed to work well with lambda expressions
- streams are immutable
- stream processing is lazy

Lazy Processing

- works backwards, only computes what is necessary
- will stop processing after limit is reached (`.limit(num)`)
- this improves efficiency and prevents unnecessary calculations

Filtering

```
.filter(lambdaExpression)
```

Count

```
.count()
```