CT326 Programming III

LECTURE 10

JAVADOC AND LAMBDA EXPRESSIONS

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Objectives for today

- Understand javadoc syntax and conventions, and how to generate documentation with and IDE or via command line
- Illustrate how lambda expressions can be applied in Java

In-class Javadoc demonstration

Lambda expressions

• short block of code that takes parameters and returns a value

• similar to methods but don't need a name

• can be implemented in the body of a method

```
parameter -> expression
```

```
(parameter1, parameter2) -> expression
```

Remember our for-each example...

- Before (for each)

```
ArrayList<Integer> list = new ArrayList<Integer>();
  for (Integer i : list)
  { ... }
```

- After (lambda expression)

```
elements.forEach (e -> System.out.println(e) );
```

Implementing single method interfaces

- In-class demo based on TokenTest
- Anonymous inner classes that are based on a single method interface, like the ActionListener interface, can be implemented as a lambda function.

Next time…

- IO Streams in Java