

CSE 121 – Lesson 11

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Music: [121 23sp Lecture Vibes](#) 



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TAs:

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<i>Jacqueline</i>	<i>Jonus</i>	<i>Joshua</i>	<i>Kai</i>
<i>Afifah</i>	<i>Hugh</i>	<i>James</i>	

Announcements, Reminders

- Quiz 1 was yesterday – Grades will be posted later tonight!
- Quiz Retakes – May 9
 - Form will be posted soon
 - Quiz 0 and Quiz 1 are eligible for retake (last opportunity for Quiz 0)
- Head TA Kai will be giving lectures next week (5/10 and 5/12)!
- Programming Assignment 2 will be released later tonight
 - Due Tuesday **May 16**

(PCM) Scanner

An **object** that we can use to *read in input*
In the `java.util` package

Scanner console = new Scanner(System.in);
type name Scanner construction code

Methods	Description
<code>nextInt()</code>	Reads the next token from the user as an <code>int</code> and returns it
<code>nextDouble()</code>	Reads the next token from the user as a <code>double</code> and returns it
<code>next()</code>	Reads the next token from the user as a <code>String</code> and returns it
<code>nextLine()</code>	Reads an <i>entire line</i> from the user as a <code>String</code> and returns it

(PCM) Tokens

A unit of user input, as read by the Scanner

- Tokens are separated by *whitespace* (spaces, tabs, new lines)

```
23 John Smith 42.0 "Hello world" $2.50 " 19"
```

Fencepost Pattern

Some task where one piece is repeated n times, and another piece is repeated $n-1$ times and they alternate

