CSE 121 – Lesson 8

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Summer 2023

Music: *<u>k-pop girlies playlist</u>



sli.do #cse121

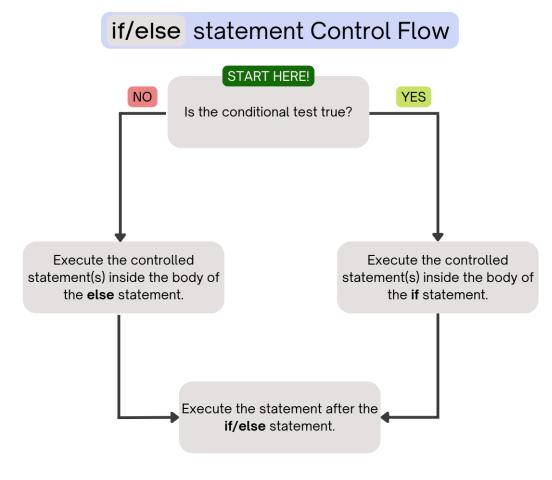
Announcements, Reminders

- Programming Assignment 1 Election Sim due yesterday! Slay!
- Creative Project 2 released later today, due next Tuesday 7/25 @ 11:59 PM
- Resub 2 is due tomorrow 7/20 11:59 PM
- Quiz 1 (Take-home): next Monday 7/24
 - Will be on: Methods (Param & Returns), Conditionals, While Loops, Scanner
- Final exam August 8/16 4:30 6:30 PM in PAA A102
 - If you have a conflict reach out-reach out ASAP the expectation is you all can make that time.

(Last Time) Conditionals

```
if (test) {
    statement(s)
} else {
    statement(s)
}
```

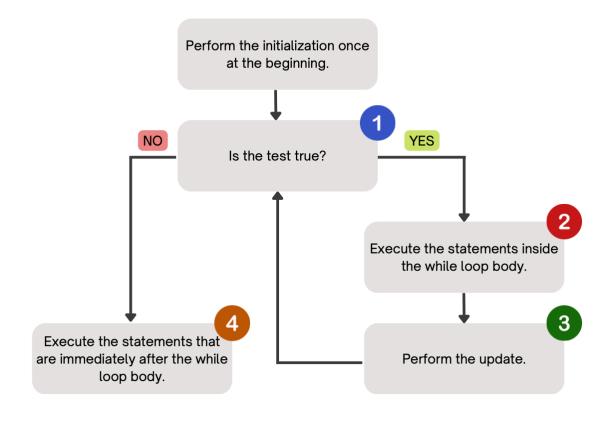
Executes a block of statements if the test is true, executes another block of statements if the test is false



(Last Time) While Loops

```
while (test) {
   body (statements to be repeated)
}
```

Repeatedly executes its body as long as its logical test is true.



(PCM) Scanner

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



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