CSE 121

Elba Garza

Winter 2023

Announcements, Reminders

- Programming Assignment 1 (P1) due February 1st (today!) by 11:59 PM

- Creative Project 2 (C2) out later tonight; due February 8th

- Grade Calculator now available!

- Quiz 0 retake grades → don't expect until <u>after</u> all retakes done; i.e. a bit after February 14th 👀

- Resubmission form for R2 releasing soon; due February 7th by 11:59 PM

  - (Eligible assignments: C0, P0, C1)

- February 8th: Mid-quarter assessment with Ken Yasuhara from ET&L

Last Time

- ## Methods with <u>Parameters</u>
  - ### We **pass** values to methods
    - `System.out.println(``"Hello World!"``)`
    - `filburt.forward(``75``)`
    - `myString.charAt(``3``)`
- ## Scope
  - ### Variables & values can be used/modified only within a particular part of a program
  - ### Values that can be used are deemed to be "within scope"
  - ### Important for methods and parameters due to passing around information in between methods with different scope

PAUL G. ALLEN SCHOOL
OF COMPUTER SCIENCE & ENGINEERING

Plan for Today

- ## Methods with Parameters <u>and Returns!</u>
  We **pass** values to methods and **receive** data back from them
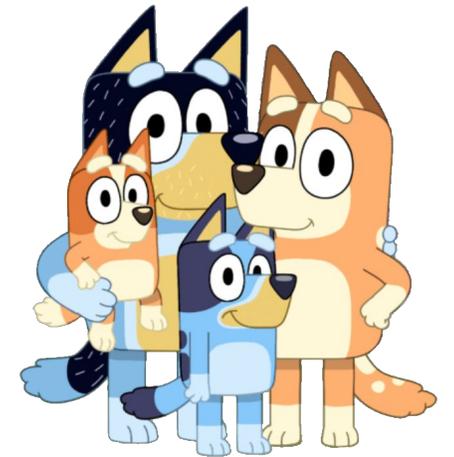
```
String myString = "Mum! Dad! Bingo! Bluey!";

char c = myString.charAt(3);   // '!'

int len = myString.length();   // 23

int index = myString.indexOf('a');   // 6

String sub = myString.substring(10,16); // "Bingo!"
```

Plan for Today

- Method Header Set-up

```
public static <type> methodName(param1, param2, …) {

    // some kind of code, manipulating params

    // Must have a return! We made a promise!
    return <type>;
}
```

PAUL G. ALLEN SCHOOL
OF COMPUTER SCIENCE & ENGINEERING