CSE 121
Elba Garza
Winter 2023
Creative Project Showcase!
Announcements, Reminders

- **Creative Project 2** (C2) out; due February 8th at 11:59 PM
- Quiz 0 retake grades → don’t expect until after all retakes are done; i.e. a bit after February 14th 🙊
- Quiz 1: Tuesday, February 7th during section. Bring laptops!
- **Resubmission form** for R2 out; due February 7th by 11:59 PM
  - Eligible assignments: C0, P0, C1
- February 8th: Mid-quarter assessment with Ken Yasuhara from ET&L
Methods with Parameters and Returns!

We pass values to methods and receive data back from them.

```java
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!"
```
Last Time

// Method header is a **contract**:  
// Always take in given parameter types &  
// return a given type

```java
public static <type> methodName(<type> param1, <type> param2,...) {
    // some kind of code, manipulating params
    // Must have a return! We made a promise!
    return <type>;
}
```
Plan for Today

- Conditionals
  - if statement
    ```
    if (test) {
      body (statements to be executed)
    }
    ```
  - if-else statement
    ```
    if (test) {
      statement(s)
    } else {
      statement(s)
    }
    ```
Plan for Today

- Conditionals
  - if/else-if structure

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