Which bear is the best bear?

As you’re coming in, visit the URL above and vote!
(sign in with your UW netid)

Lecture 2: More ArrayIntList!  06/24/22
Client vs. Implementer

Client

Implementer

- 5G antenna
- Near-field communication (NFC) antenna
- Wi-Fi antenna
- Diversity antennas
- Three antennas (low to midband, midband carrier aggregation)
Classes vs. Object

An **object** is an instance of **class**.

```java
public class Car {
    private String color;
    ...
    public Car(String color) {
        this.color = color;
    }
    ...
}
```

Car a = new Car("red");

Car b = new Car("green");
public class ArrayIntList {
    private int[] elementData;
    private int size;

    public ArrayIntList() {
        elementData = new int[100];
        size = 0;
    }
}
What is Style?

- Also known as Code Quality
- Works well
- Readable
- Follow conventions

Stay tuned for style resources at the end of lecture!
What might go wrong if we give clients this `get()` method?

```java
public class ArrayIntList {
    private int[] elementData;
    private int size;

    public int get(int index) {
        return elementData[index];
    }
}
```
Style Resources

• General Style Deductions
• 143 Style Guide
• Commenting Guide

https://courses.cs.washington.edu/courses/cse143/22su/homework.shtml
LetterInventory

Your first homework assignment!
• Practice working with classes and objects, arrays, style

Workflow
• Use jGRASP and Output Comparison Tool to develop and debug
• Mark your homework on Ed to turn in
• The Ed test cases are a final check, not a debugging tool!
  • If you aren’t passing the tests, you should go back to jGRASP to debug your work.
LetterInventory

To be making **satisfactory** progress in the course, your homework should pass all the test cases on Ed.

• We are here to help, but you are responsible for advocating for yourself!
  • Review lecture content, textbook readings, section problems
  • Go to the IPL / Taylor’s OH
  • Post on the Ed message board
Reminder: Late Policy

HW due Thursday 11:59pm
No submissions accepted after Sunday 11:59pm

Late days are a safety net! Don’t plan on using them.

(see the syllabus)
Reminder: Resubmission Policy

One resubmission per HW assignment (see syllabus)

Your final grade for an assignment will be the maximum of your initial submission score and the average of your initial and resubmission score.

You should be turning in your best work!
Section on Tuesday

“BadArrayIntList” – a version of this code with lots of style mistakes!

Great practice for the homework 😊