Poll Everywhere

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

Which bear is the best bear?

Lecture 2: More ArrayIntList! 06/24/22

Client vs. Implementer

Client

Implementer

Classes vs. Object

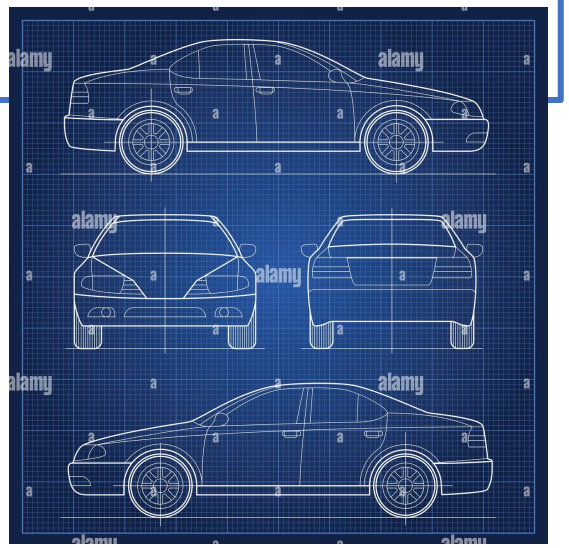
An **object** is an instance of **class.**

```
public class Car {
    private String color;
    …

    public Car(String color) {
        this.color = color;
    }
    …
}
```

```
Car a = new Car("red");
```

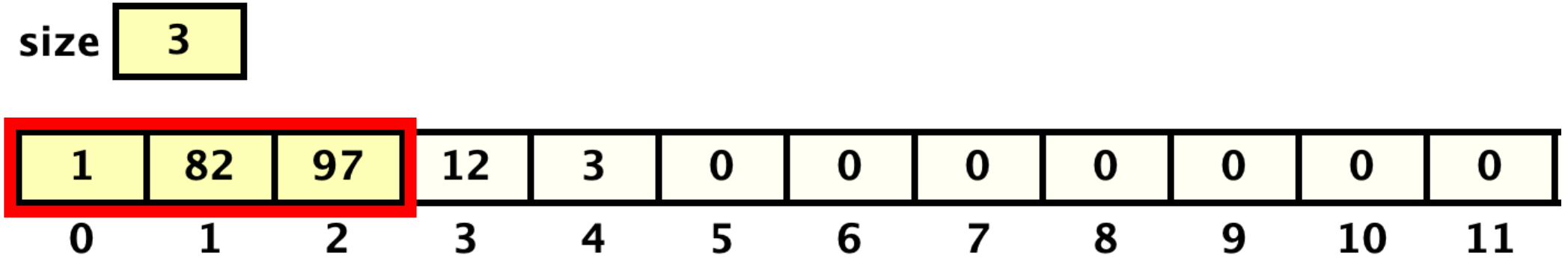
```
Car b = new Car("green");
```



ArrayIntList

```
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!

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What might go wrong if we give clients this get() method?

```
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 ☺