CSE 11
Accelerated Intro to Programming
Discussion Section 2

Spring 2021

Lecture recap

String

- Class
- Methods
  - Example : String Place = "uc_san_diego"
  - Place.length() — 12
  - Place.substring(4, 8)
  - Place.replace("e", "WE")
  - Place.repeat(2)

uc_s(e)n_di(e)go

01234

uc_san_diWEgo

an_d

4, 8   4, 7

uc_san_diego uc_san_diego

Booleans

- data type - true/false
- Example :
  - boolean b1 = 4 < 5   false
  - boolean b1 = 4 == 5

boolean b1 =

<=   >=

Constructors

Class
- member variables
  methods
  constructors

```
class Author {
    String name;
    String fullName;

    Author(String name, String fullName) {
        this.name = name;
        this.fullName = fullName;
    }


    String toText() {
        return this.fullName;
    }
}
```

Constructor   parameter

user-defined constructors

Author A1 = new Author("AB","CD")

A1. name ← AB

A1. fullName ← CD

default constructor
    member variables ← null

Constructors

→ initialise an object

→ defined with name as class name

→ new - key word, → new object

```
class Book {
    String title;
    Author author;
    int price;

    Book(String title, Author author, int price) {
        this.title = title;
        this.author = author;
        this.price = price;
    }
}

class ExampleBooks {
    Author tolkien = new Author("JRR Tolkien", "John Ronald Reuel
Tolkien");
    Book theTwoTowers = new Book("The Two Towers", tolkien, 8);

}
```

tolkiev name →   fullname

name   full name

title   author price

PA 2

- Just released, due next Wednesday at 11:59pm PST
- https://github.com/CSE11-SP21-Assignments/cse11-sp21-pa2-starter

Thanks!