CMSC131 Lab

Sections 0108 or 0109

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OH: Tue. 6-7pm

Written Assignment 2

Question 1-2

Which Java component creates and which one initializes the object created when executing new Cat("Fluffy")?

```
public class Cat {
    public Cat() {
        /* initialization */
    }
    public Cat(String name) {
        /* initialization */
    }
}
```

When can an object reside in the stack?

Questions 3-5

When drawing a memory map we have frames. Describe what a frame is, its contents, and duration.

When should a constant be defined **static final** vs. just **final**?

Describe the differences between an instance variable and a local variable. When each of the them is created? When each of them is destroyed?

Questions 6-8

How can we avoid code duplication when defining constructors for a class?

What is null? What does it represent?

When can the current object reference be null?

Question 9

How many constructors are there for the left Dog class?

How many constructors are there for the right Dog class?

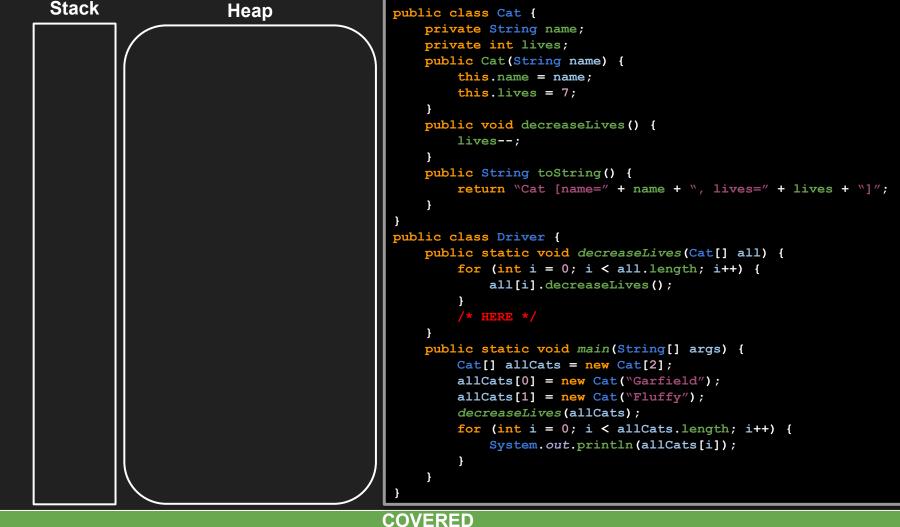
```
public class Dog {
    private String name;
}

public class Dog {
    private String name;
    public Dog(String name) {
        this.name = name;
    }
}
```

COVERED

More Memory Maps!





Office Hours