

# CMSC131 Lab

Sections 0108 or 0109

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**OH:** Tue. 6-7pm

**Stack**

**Static Area**

```
public class Driver {  
    public static void task(Person friend, double salary) {  
        double newSal = salary + 100;  
        Person p = friend;  
        p.increaseSalary(newSal);  
        friend.addCall("toschool");  
        friend = null;    }  
    public static void main(String[] args) {  
        double pay = 4000;  
        Person laura = new Person("Laura", 2000);  
        task(laura, pay);  
        System.out.println(laura);    }  
}
```

**Heap**

```
public class Person {  
    public static double MINIMUM_SALARY = 1000.00;  
    private String name;  
    private double salary;  
    private StringBuffer calls;  
    public Person(String name, double salary) {  
        this.name = name;  
        this.salary = salary;  
        calls = new StringBuffer("Calls: ");    }  
    public Person(String name) {  
        this(name, MINIMUM_SALARY);    }  
    public Person increaseSalary(double delta) {  
        salary += delta;  
        /* HERE */  
        return this;    }  
    public void addCall(String newCall) {  
        calls.append(newCall);    }  
    public String toString() {  
        return name + ", $" + salary + ", " + calls;    }  
}
```

**COVERED**

# Mailbox Class

# Office Hours