

CMSC 131: Chapter 14a: Memory Diagram Supplement

Memory Diagrams (revisited)

Suppose we have a Student class:

```
public class Student {  
    private double gpa;  
    private String name;  
    void setName(String nameIn) { ... }  
}
```

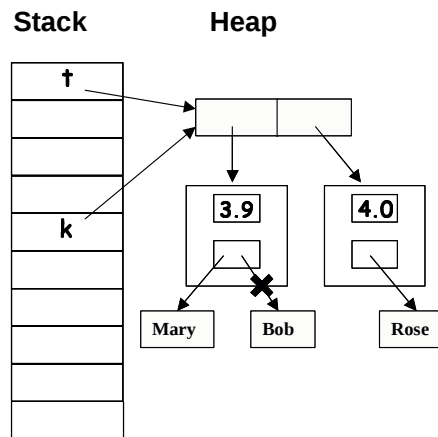
Set up an array of students initialized to two elements:

```
student[ ] t = { new Student("Bob", 3.9), new Student("Rose", 4.0) };
```

Define a method that sets the name of the first student to be "Mary":

```
void foo(Student[ ] k) {  
    k[0].setName("Mary");  
}
```

Inside foo, just after executing the line with the setName call:



What happens when we return from the method `foo`?