

## Assignment: Exercise UEmployee, Faculty, Staff

Credit: CSE 3130 Object-Oriented Programming 2

Describe the errors you've encountered while working on this assignment. What caused the error and how do you overcome the error?

**Error** - Typo error, used wrong objects and didn't add a space in the toString method.

```
10
11     Faculty emp1 = new Faculty("Bobby Smith", 50000, "Janitorial");
12     Faculty emp2 = new Faculty("Jack Jones", 100000, "Headmaster");
13
14     System.out.println(emp1);
15     System.out.println(emp2);
```

<terminated> University [Java Application] C:\Program Files\Eclipse\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_21.0.3.v20240426...  
The employee name and salary respectively is: Bobby Smith, \$50000.0. They work in the Janitorial department.  
The employee name and salary respectively is: Jack Jones, \$100000.0. They work in the Headmaster department.

**Solution** - Added a space to the string.

```
11     Faculty emp1 = new Faculty("Bobby Smith", 50000, "Janitorial");
12     Staff emp2 = new Staff("Jack Jones", 100000, "Headmaster");
13
14     System.out.println(emp1);
15     System.out.println(emp2);
```

<terminated> University [Java Application] C:\Program Files\Eclipse\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_21.0.3.v20240426...  
The employee name and salary respectively is: Bobby Smith, \$50000.0. They work in the Janitorial department.  
The employee name and salary respectively is: Jack Jones, \$100000.0. They're a/the Headmaster.

**Error** - Syntax error, extra \$ sign when currency instance of number format already includes it.

```
33
34     public String toString()
35     {
36         String empString;
37         empString = "The employee name and salary respectively is: " + name + ", " + money.format(salary);
38         return empString;
39     }
```

<terminated> University [Java Application] C:\Program Files\Eclipse\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_21.0.3.v20240426...  
The employee name and salary respectively is: Bobby Smith, \$50,000.00. They work in the Janitorial department.  
The employee name and salary respectively is: Jack Jones, \$100,000.00. They're a/the Headmaster.

**Solution** - Removed the extra \$ sign.

```
public String toString()
{
    String empString;
    empString = "The employee name and salary respectively is: " + name + ", " + money.format(salary);
    return empString;
}
```