

Name(s): _____

Consider the class Employee to do the activities below. You can also do this activity on zyBooks.

```
public class Employee {
    private final int pay_low;
    private final int pay_high;
    private String name;
    private final int employee_id;
    public int getLowPay() {
        return pay_low;
    }
    public int getMaxPay() {
        return pay_high;
    }
    public int getID() {
        return employee_id;
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public String toString() {
        return String.format("Name: %s, ID: %d", name, employee_id);
    }
    public Employee(int id, String name, int pay_low, int pay_high) {
        employee_id = id;
        this.pay_low = pay_low;
        this.pay_high = pay_high;
        this.name = name;
    }
}
```

1. Your goal is to write a new class (notice it is completely blank in zybooks) called SoftwareEngineer.java

- SoftwareEngineer
 - sets the Employee pay scale to be 75,000-250,000
 - has a jobcode associated with them
 - needs a getJobCode() and setJobCode() method
 - needs a constructor of the format SoftwareEngineer(int id, String name)
- Make sure to write some tests, so you get something useful to print

2. Add a toString method to SoftwareEngineer

- It should print out
Name: name, ID: id, JobCode: jobcode

3. Write an Application class that creates one Employee object and one Software Engineer object and print their information.