

Lesson-3 Exercise 0.

1. Given codes are violating this principle

2. Formatting Conventions

5. Indent nested code.

because it doesn't take up space, reducing readability.

```
class Account {
```

```
    double balance;
```

```
    Employee emp;
```

```
    public void getBalance() {
```

```
        return balance;
```

```
    }
```

```
}
```

2. It's violating this principle

2. Formatting Conventions

1. P 6. Break up long lines.

because in the if conditions a complex expression
so that the line is too long.

```
boolean checkStatus() {  
    boolean cond1 = balance < 200.00;  
    boolean cond2 = hasOverdueFines();  
    boolean cond3 = (recentPayment < 30.00)  
                    && phoneIsDisconnected;  
    if (cond1 || cond2 || cond3) {  
        notifyCollections();  
        return false;  
    }  
    return true;  
}
```


3. It violates this principle

5. Programming Conventions

7.1 Make all fields private

because Company class has get method. So, its employee field should be private.

And 3. Naming Conventions

9. Use meaningful names.

because employee is not for one, it's with array. So, it should be plural naming like employees or employeeAry.

```
class Company {
```

```
    private Employee[] employeeAry;
```

```
    public Employee[] getAllEmployees() {  
        return employeeAry;  
    }
```

```
}
```


4. It violates

3. Naming Conventions

13. Capitalize only the first letter in acronyms.

because BaseSalary and Bonus variables should start with smaller letter.

class Department {

```

    public double ComputeSalary(Employee emp) {
        // Assume the methods used here really exist
        String status = emp.getStatus();
        double baseSalary = lookupBaseSalary(status);
        double Bonus = lookupBonus(emp);
        return baseSalary + bonus;
    }
}

```

}

No: _____

Date: _____

5.

Admin

Employee

Manager

Client

Customer

CustomerAccount

Admin is general for both Employee and manager.

Client is general for both Customer and CustomerAccount.