ISP

Two ISP violation diagrams are given.

Problem 1

A violation of ISP is given in the following figure. _____ Apply ISP and write the solution code

Problem 2

_____ Apply ISP and write the solution code

SRP

Code examples are given that violates SRP

Example

You are given one example of SRP. Implement the code

```
public class Employee {
    private String employeeId;
    private String name;
    private String address;
    private Date dateOfJoining;

    public boolean isPromotionDueThisYear() {
        //TODO: promotion logic implementation
        return false;
    }

    public Double calcIncomeTaxForCurrentYear() {
        //TODO: income tax logic implementation
        return 0d;
    }

    //Getters & Setters
}
```

Solution could be

```java
public class Employee {
    private String employeeId;
    private String name;
    private String address;
    private Date dateOfJoining;
    //Getters & Setters
}


public class HRPromotions {
    public boolean isPromotionDueThisYear(Employee emp) {
        //TODO: promotion logic implementation using the employee information passed
        return false;
    }
}

public class FinIncomeTaxCalculation {
    public Double calcIncomeTaxForCurrentYear(Employee emp) {
        //TODO: income tax logic implementation using the employee information passed
        return 0d;
    }
}
```

Problem 1

A violation of SRP is given in the following figure. [   ] Apply SRP and write the solution code

Problem 2

A violation of SRP is given in the following figure. [   ] Apply SRP and write the solution code