

I. Without modifying the *main* method, make the code below work.

Hint: *Subject* class can have access to students' set (e.g. an array). Adding too many students to the set may throw an exception.

```
public class Main {
    public static void main(String args[]) {

        Person p1 = new Person("Jan", 50);
        Student s1 = new Student("Jasiek", 20);
        Person p3 = (Person)s1;

        p1.sayHelloTo(p3); //Hi Jasiek!
        p3.sayHelloTo(p1); //Hi Jan!

        Subject s = new Subject("GUI");
        s.setTeacher(p1);

        try {
            s.addStudent(s1);
        } catch (TooManyStudentsException e) {
            e.printStackTrace();
        }

        System.out.println(s); //GUI, teacher: Jan, students: Jasiek
    }
}
```