

Main.java

```
interface User {
    boolean canAccess(String assignmentId);
}

class Student implements User {
    String name;
    String[] assignments;
    public Student(String name, String[] assignments) {
        this.name = name;
        this.assignments = assignments;
    }

    public boolean canAccess(String assignmentId) {
        //1.1 - FILL IN REST OF METHOD

    }
}

class Instructor implements User {
    String name;
    public Instructor(String name) {
        this.name = name;
    }

    public boolean canAccess(String assignmentId) {
        //1.2 - FILL IN REST OF METHOD

    }
}

class Main {
    public static void main(String[] args) {
        String[] allAssignments = {"37", "86", "34", "99", "75", "33", "44", "58"};
        String[] s1Assignments = {"37", "86", "34", "99"};

        User s1 = new Student("Emma", s1Assignments);
        System.out.println(s1.name);
        printAssignments(s1, allAssignments);

        User i1 = new Instructor("Joe");
        System.out.println(i1.name);
        printAssignments(i1, allAssignments);
    }

    public static void printAssignments(User u, String[] allAssignments) {
        //1.3 FILL IN REST OF METHOD

    }
}
```

```
$ javac Main.java
$ ls
Main.class Main.java
$ java Main
```