CSE332 15su 2015-08-20   Name:

Section 9 Quick Check

Consider the code:
```
0    public class Grade {
1         public int points = 0;
2    }

3    public class StringArray {
4         int n_students = 25;
5         int n_assgnmnts = 10;
6         Grade[][] grades = new Grade[n_students][n_assgnmnts];

7         Integer retrieveGrade(int student, int assignment)
8              return grades[student][assignment];

9         int getGrade(int student, int assignment)
10             return retrieveGrade(student, assignment).points;

11        setGrade(int student, int assignment, int points) {
12             Grade g = retrieveGrade(student, assignment);
13             g.points = points;
14        }
15   }
```

1. Say Adam is entering grades. Suddenly Conrad gets on the system and starts entering grades too. How could they conflict? Write an interleaving that demonstrates this.

2. How can we prevent this?

3. Can both Adam and Conrad enter grades for different students at the same time?