

CMPSC 111
Introduction to Computer Science I
Fall 2013
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Recitation 10
31 October–1 November 2013
Due in Sakai by midnight
“Checkmark” grade

Summary

Classes, methods, instance variables — exam review

Download some files

Get copies of the files “Problem.java” and “Rec10.java”

Part 1: Fill in the blanks!

From reading the commands in file “Rec10.java”, figure out what needs to be added to “Problem.java” in order to make the program work. Here’s a sample of the intended output from Rec10:

```
aldenv27:rec10 rroos$ java Rec10
How much is 1+1?
3
wrong!
aldenv27:rec10 rroos$ java Rec10
How much is 1+1?
2
correct!
```

Once you’ve filled in the blank sections in `Problem.java`, create two more questions in file `Rec10.java`, pose them to the user, and check user answers.

Part 2: Review

Go over chapter 4 in the textbook (if you didn’t bring a copy, review recitation 5 and lab 5). Write down a list of specific questions you have about any topics you feel unsure about—I will use these to help guide the review in class next week. Save these questions in a document that you can upload to Sakai.

If you don’t have any questions, extend the “Problem.java” class with the following variables and methods:

- a number of points (how much is the problem worth?)
- a score (how many points did the user earn?)
- methods for obtaining the two variables above

Modify the “answerCorrect” method to set the score equal to the number of points if the user responds correctly, but to zero if the answer is not correct. Modify `Rec10.java` to illustrate these.

If you are still not sufficiently challenged, create a fascinating Java class and show how to use it!

At the end of the period, or by midnight of the day of your recitation, upload any files you created or modified.

If you were unable to complete the exercise and have nothing to upload, please send me an email with the subject line “Recitation 10” and tell me what problems you encountered so that I can help you. (Actually, email me if you had any problems or questions, even if you uploaded something.)

General Guidelines for Recitation Sessions

- **Experiment!** Recitation sessions are for learning by doing without the pressure of grades or “right/wrong” answers. So try things! The best way to learn is by trying things out.
- **Submit *something*.** Your grade is just 0 or 1, depending on whether or not you attempt the work and upload something to Sakai.
- **Try to Finish During Class.** Recitation exercises are not intended to be the equal of laboratory assignments. If you are simply a slow typist, I’ve given you until the end of the day, but ideally you should upload a file, even a non-working one, by the end of the class period and be finished with it.
- **Help One Another!** If your neighbor is struggling and you know what to do, offer your help. Don’t “do the work” for them, but advise them on what to type or how to handle things.
- **Review the Honor Code policy on the syllabus.** Remember that you may discuss programs with others, but programs that are nearly identical to others will be taken as evidence of violating the Honor Code.