

17-355/17-655/17-819: Program Analysis

Recitation Exercises

February 8, 2019

Andrew ID: _____

Pair-programming Exercise

You will pair-program with a partner for the rest of recitation. You will finish implementing (TODOs indicate what you need to finish) the **reaching definitions analysis** in the `GuaranteedDefs.java` file found in the starter code for this recitation (starter code can be found for download on the course website).

You can run your completed code as usual using the `ant build.xml` file of the starter code. The `ant` build file will run the analysis in `PrintGuaranteedDefs.java`, which uses your `GuaranteedDefs` analysis to print locals guaranteed to be defined at (just before) a given program point for the program in `TestPrintDefs.java`. Output from running a correct implementation of this analysis on provided test code can be found in the `TestPrintDefs.java` file of the starter code.

To get participation credit for this recitation, commit your code to your course GitHub repository under a **recitation4** folder. Since you will be pair-programming, to receive credit only one of you needs to commit the code so long as you indicate in a `readme.md` file both of your Andrew IDs.