Set up project connected to repo:

1. **Have one team member set up your repo by doing the following:**
   1. *Clone source code of CheckStyle to any local folder:* 
      1. git clone https://git.code.sf.net/p/eclipse-cs/git
   2. *On [GitHub.com](http://GitHub.com), create a new repository:*
      1. In the upper-right corner of any page, use the  drop-down menu, and select New repository.
      2. In the Owner drop-down, select the account you wish to create the repository on.
      3. Type a name for your repository, and an optional description.
      4. Choose a repository visibility.
      5. Click Create repository.
   3. *On your computer, use terminal or a command line to navigate to the folder where you cloned the repo for CheckStyle:*
      1. Change the URL associated with the repo to the URL for the repo you just created on GitHub.com with the following command
         1. git remote set-url origin <https://hostname/USERNAME/REPOSITORY.git>
      2. Verify the URL is pointing to your group’s repo:
         1. git remote -v
         2. Verify listed URL is your group’s repo
2. **Download Eclipse IDE Installer: <https://www.eclipse.org/downloads/>** 
   1. *This will download an installer. Double click on the installer, scroll down:*
      1. select “Eclipse for RCP and RAP developers” to be installed
3. **Clone your group’s repo to a local folder on your computer:** 
   1. *In a terminal or command line, type git clone <group repo URL>*
4. **Install CheckStyle in Eclipse.** 
   1. *Help->Install New Software*
   2. *Paste this <http://eclipse-cs.sf.net/update> in “work with” bar*
   3. *Click on “Add”*
   4. *Select all packages and “Next” until “Finish”*
   5. *Restart Eclipse*
5. **Open eclipse RCP RAP edition**
6. **Create a new workspace**
   1. *If prompted to choose a workspace on startup:* 
      1. click browse and create a new folder
   2. *If not prompted to choose a workspace on startup:* 
      1. File > Switch Workspace > Other
      2. Hit Browse and create a new, empty folder
7. **Import the project**
   1. *File > Import…*
   2. *General > Existing Project into Workspace > Next*
   3. *Hit Browse… and navigate to the folder where your project repo is stored*
   4. *Make sure appropriate project appears in the “projects” box and is selected*
   5. *Un-check the “Copy projects into workspace” box*
   6. *Hit finish*
8. **If you see red X’s, check your “Problems” pane**
   1. *If there are errors which start with the word “plugin”, right click on one of them and select “Quick Fix”*
   2. *When it brings up a dialog box, there should be a long list of POMs*
   3. *Click “Select All” and then “Next”*
   4. *Click “Auto Select” and “Finish”*
   5. *When prompted, restart Eclipse*
9. **Set up the file path variable:**
   1. *In a terminal or command line window, navigate to where you cloned the group’s repo*
   2. *Go into the folder “net.sf.eclipsecs.checkstyle”*
   3. *Run the following command, substituting as necessary:*
      1. java -cp ./checkstyle-<version\_NUM>-all.jar com.puppycrawl.tools.checkstyle.gui.Main
         1. Replace version num with the version of the JAR that is in the folder you are in
10. **Now run the Sample folder as a Eclipse plugin:**
    1. *In the Project Explorer, right-click on “net.sf.eclipsecs.sample”*
    2. *In the pop-up menu, find “Run As….”and select “Eclipse Application from the sub-menu*
11. **Once the the second Eclipse, hereafter “Eclipse2”, appears:**
    1. *Create a project to hold your test code:*
       1. File > New > Java > Java Project > Next
       2. Make sure the name starts with a lower-case letter, eg, “brittTestCode”
       3. Leave the box for “use default location” checked
       4. Click “Finish”
       5. Click “Create”
       6. You will be asked if you want to switch to the Java Perspective: say “Yes"
    2. *Set up a configuration to test your Checkstyle Checks in Eclipse2*
       1. In Eclipse2, go to the Eclipse menu > Preferences > Checkstyle
       2. Click on “New” to the right
       3. Provide a name, such as “customChecks”
       4. Click “OK”
       5. If the new Configuration does not immediately appear in the list:
          1. Hit “Apply and Close”
          2. Go to Eclipse menu > Preferences > Checkstyle
          3. Your Configuration should now be in the list
       6. Highlight your Configuration in the list
       7. Click “Set as Default”
       8. Click “Configure…”
       9. Scroll down to “My custom checks” and click the arrow to expand the section
       10. Highlight “Method Limit” and click “Add…”
       11. Set Severity to “Error” and change the Max box to 2
       12. Hit “OK”
       13. Click “Apply and Close”
       14. If prompted, hit “Yes” to rebuild your project
    3. *Now link your custom configuration to your test code:*
       1. In Eclipse2, right-click on the project containing your test code
       2. Click on “Properties” and find the section called “Checkstyle”
       3. Make sure the box is checked for “Checkstyle active for this project”
       4. In the drop-down to the left of the configure button, select your custom configuration.
       5. Hit “Apply and Close” and rebuild if prompted.
    4. *Turn on the Checkstyle views:*
       1. In Eclipse2, go to the Window menu > Show View > Other
       2. Select both items under “Checkstyle” and hit “Open”
    5. *Run Checks on Test Code:*
       1. Right-click on folder, go to “Checkstyle” > “Check code with Checkstyle”