Exercise Preparation:

1. Start a terminal application and follow the next steps by typing the appropriate commands:
   a. Create the hw3 directory inside your cs170 directory:
      
      ```markdown
      mkdir ~/cs170/hw3
      ```
   b. Copy the files you will need:
      
      ```markdown
      cp ~/cs170000/share/hw3/* ~/cs170/hw3
      ```
   c. Move into the hw3 directory (i.e. make it the working directory):
      
      ```markdown
      cd ~/cs170/hw3
      ```
   d. List the contents of the current directory:
      
      ```markdown
      ls
      ```
   e. You should see one file: Homework3.java

2. Open the Homework3.java file using gedit:
   a. gedit Homework3.java &
      (Don’t forget the ampersand)

3. The recommended approach is to work on one problem at a time. It is best to implement one problem, compile, and test it. Then, comment out the method call in the main method that you just tested and uncomment out the next problem and repeat. **When you are done with all your problems you should uncomment everything, compile it, and run it to make sure there are no errors.**

4. There are 8 problems and two extra credit problems (#9 and #10). Each regular problem is worth 5 points. The extra credit is worth 2.5 points each.

Submission:

When you are done, turn-in the Homework3.java file for hw3 using this command:

```markdown
/home/cs170000/turnin-hw Homework3.java hw3
```

*You will see a message telling you that your file was successfully submitted along with a date and time. Remember that it is your responsibility to make sure your work is submitted correctly. We DO NOT accept work submitted via email.*