Exercise Preparation for GEdit:

1. Start a terminal application and follow the next steps by typing the appropriate commands:
   a. Create the hw6 directory inside your cs170 directory:
      ```
      mkdir ~/cs170/hw6
      ```
   b. Copy the files you will need:
      ```
      cp ~/cs170000/share/hw6/* ~/cs170/hw6
      ```
   c. Move into the hw6 directory (i.e. make it the working directory):
      ```
      cd ~/cs170/hw6
      ```
   d. List the contents of the current directory:
      ```
      ls
      ```
   e. You should see BlackjackHw6.java and Shuffle.java

2. Open the BlackjackHw6.java file using gedit:
   a. `gedit BlackjackHw6.java &`
      (Don’t forget the ampersand)

Exercise Description:

Look for all the references to the word “TODO” and implement the missing functionality. Use the Shuffle.java source to help with the implementation if necessary.

Submission:
When you are done, turn-in the BlackjackHw6.java file for hw6 using this command:
```
/home/cs170000/turnin-hw BlackjackHw6.java hw6
```
Exercise Preparation for Eclipse:

1) Launch Eclipse and set the workspace directory to `/home/<username>/cs170/workspace`. The workspace directory is the parent directory for your projects.

2) If you get this splash screen then close the Welcome tab or click on Workbench in the header on the top right.

3) Right click in the Package Explorer perspective and select New -> Java Project.
4) Enter the project name as HW6 and select Finish at the bottom. This creates the directory “HW6” under your workspace directory. If you don’t have a Java Execution environment set, then you will have to download Java.
5) Expand the HW6 folder and right click on src. Select New->Class
6) Leave the package blank and type in the name BlackjackHw6 for the class name. Leave all the other items as is. Click on Finish.

7) Remove all the code in the skeleton Java class and then copy and paste the code from the homework website for BlackjackHw6.java into the file. Save the file by pressing Ctl S or clicking on the Save icon in the Eclipse menu bar.
8) Click on Window from the Drop down menu bar and select Show View -> Tasks

This will show you all the places in the code that have the word “TODO” in a comment. You can click on the item and it will take you to the code.
To execute the code, click on the Green Arrow to Run the program or click Run from the Dropdown menu and select Run. The output will be displayed in the Console view.

**Submission:**
When you are done, go to the src directory where BlackJackHw6.java is located and submit the code using this command:

```
/home/cs170000/turnin-hw BlackJackHw6.java hw6
```