

CSCE 145: Homework 1

1. Use Java to write and run a simple console-window program for checking passwords. The program must satisfy the following requirements:
 - When the program runs, it should first print its name, e.g., **Password Checker**
 - The program should next prompt the user to enter a username, e.g.,
Please enter your username:
 - The program should next prompt the user to enter a password, e.g.,
Please enter your password:
 - If the user enters a correct password, i.e., one that matches an internal secret password, the program responds
You are approved by access control!, and quits.
 - If the user enters an incorrect password, the program responds
Sorry, and quits.
2. Your source code must conform to the following style:
 - There must be a header that contains: (1) your name as author, (2) the date the program was written, (3) the version number of the program, (4) a short description of the purpose of the program, and (5) the name of the file. The *@author* and *@version* keywords must be entered exactly as shown below. Other than this, it is an opportunity for you to be creative, and no two headers should be alike. For example,

```

/*****
 * @filename: filename
 * @author: student name
 * @version: version
 * @date: today's date
 *
 * Program description...
 *****/

```

- The source code must be indented properly and contain comments that describe the important parts of the algorithm.
3. Upload a copy of your source code to the CSCE 145 dropbox at <https://dropbox.cse.sc.edu>.
 4. The grades for this assignment will be based on the following:

Comments and Convention: 30pts

Proper variable declaration and good naming habits: 10pts

Requesting and storing input from the user: 30pts

Branch statement properly determining output message: 30pts