

CSE 142 - Su 02
Homework 7
Assigned: Wednesday, August 14

This file describes the practice problems. There are other files that describe the graded problems and the programming project.

1. Write a method with the following header:

```
public void playJokeOnUser() { ...
```

that has the user participate in a joke on them by performing the following steps:

(a) display a prompt message to the user saying

What is the abbreviation for mountain?

(b) read their input from the keyboard (using a `BufferedReader` wrapped around an `InputStreamReader` as demonstrated in the lecture notes)

(c) if what the user enters is not equal to "mt" or "MT" or "Mt", display the following message

Incorrect. Please try again ...

What is the abbreviation for mountain?

Notice that it may take several tries for the user to get the answer correct. Therefore, you have to loop until they get it right.

(d) once they get the answer correct, print a message that says

Correct! To help you remember this abbreviation, point to your head and repeat five times:

(e) now display their response 5 times like this:

Mt
Mt
Mt
Mt
Mt

(f) Hint: If you're stuck on how to print one message the first time around and a different message every time the user gets the answer wrong, try writing your method such that the loop is not entered at all if the user gets the answer right on the first try.

2. There are lots of extensions you could do on the programming project. One potentially useful upgrade would be to use the click-on-symbol to initiate storing information in a file instead of just printing it out. Consider implementing a function such that when you click on a bus, the program opens a new file on disk, and writes out the bus information to the disk file in addition to the screen. Every time you click on the bus symbol, another line is written out. Once created, the file stays open until the program is terminated.