Problem 1: Real-time systems and software

Learning objectives for taking 16.35:

- 1. I am part of the 'ground station' group in 16.83, and would like to learn more about analyzing the telemetry sent back from our satellite in real time.
- 2. I would like to learn more about real time control of systems that are in space, such as the control systems for the SpaceX Dragon
- 3. Similarly, I want to learn how multiple commands can be sent to a complicated space system, and in what order they are processed

Time spent on problem: 10 minutes

Problem 2: Documentation

1. The current Athena default release is 1.7.0_75 (Linux 32/64) (Source: http://web.mit.edu/java/www/home.html)

(Source: http://stackoverflow.com/questions/11415160/how-to-enable-the-java-keyword-assert-in-eclipse-program-wise)

3. To convert string to double:

```
double aDouble = Double.parseDouble(aString);
    (Source: http://www.java2s.com/Code/Java/Language-
Basics/Convertstringtodouble.htm)
```

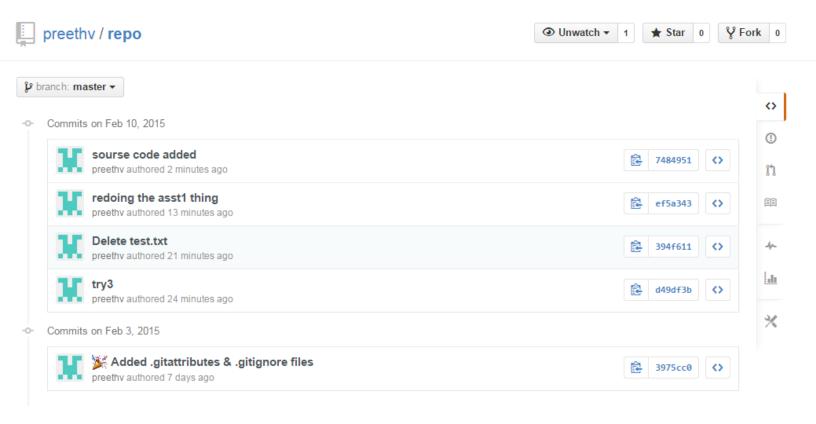
4. To create JAR files: jar cf jar-file input-file(s)

Where input-file(s) are the files in asst1

(Source: http://docs.oracle.com/javase/tutorial/deployment/jar/build.html)

Time spent on problem: 20 minutes

Problem 6: Code control



Time spent on problem: 60 minutes