# 16.35 PSet #1

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# Pre-deliverables

# 1  Real-time Systems and Software

- Learn the language of software requirements so I can communicate them to a design team, and interpret needs from conversations with customers.

- Be exposed to common errors made in this field so I may learn by example rather than experience. Life-critical systems aren't a good place for learning by experience.

- Practice building real-time software and systems to prepare for a hopeful career in embedded mechanical control systems.

# 2  Documentation

## 2.1  Java version on Athena

1. 1.7.0_65

2. ran `java -version` on an athena remote session

3. Googled `check java version linux` and logged in to athena remotely, maybe 45 seconds all told

## 2.2  Enable assertions

1. Assertions in the program are enabled by running java with the `-ea` flag

2. http://docs.oracle.com/javase/8/docs/technotes/guides/language/assert.html#enable-disable

3. 20 seconds via Google

## 2.3  Double to string

1. `String doub = Double.toString(num)` where `num` is the input double and `doub` is the output String

2. http://docs.oracle.com/javase/7/docs/api/java/lang/Double.html

3. found via google, 2 minutes to verify it produces the expected output

## 2.4 Create jar with files from dir `asstl`

1. `jar cf asstl.jar asstl`

2. http://docs.oracle.com/javase/tutorial/deployment/jar/build.html

3. 20 seconds via Google