Question 1

Part A

1. SQuirreL SQL Client

source: https://git.code.sf.net/p/squirrel-sql/git squirrel-sql-git

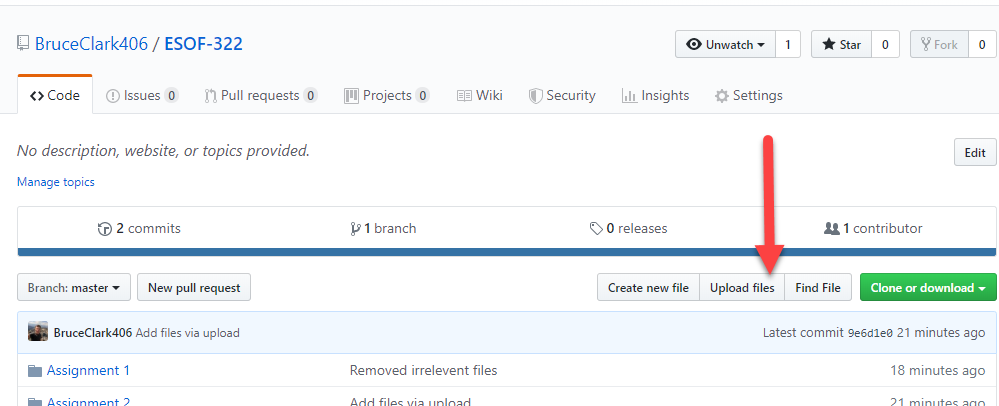
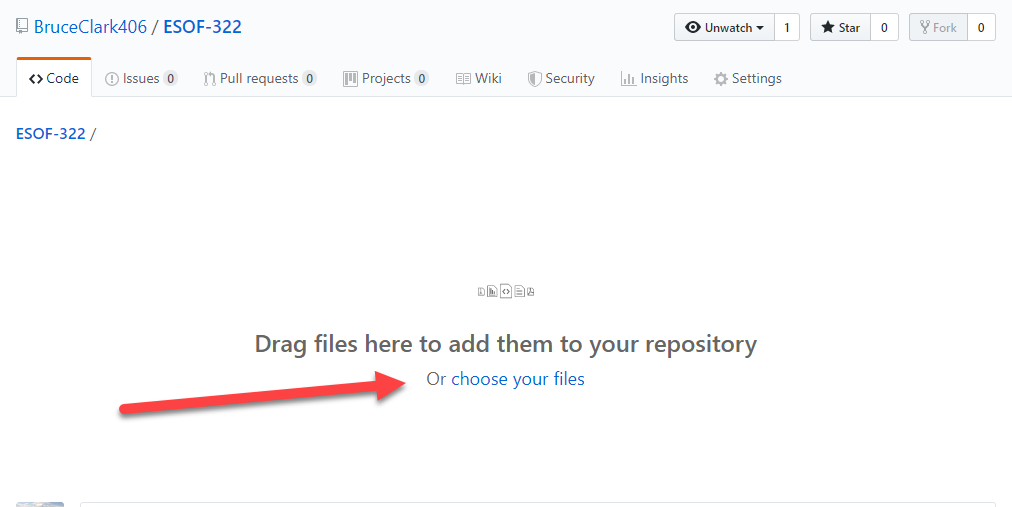
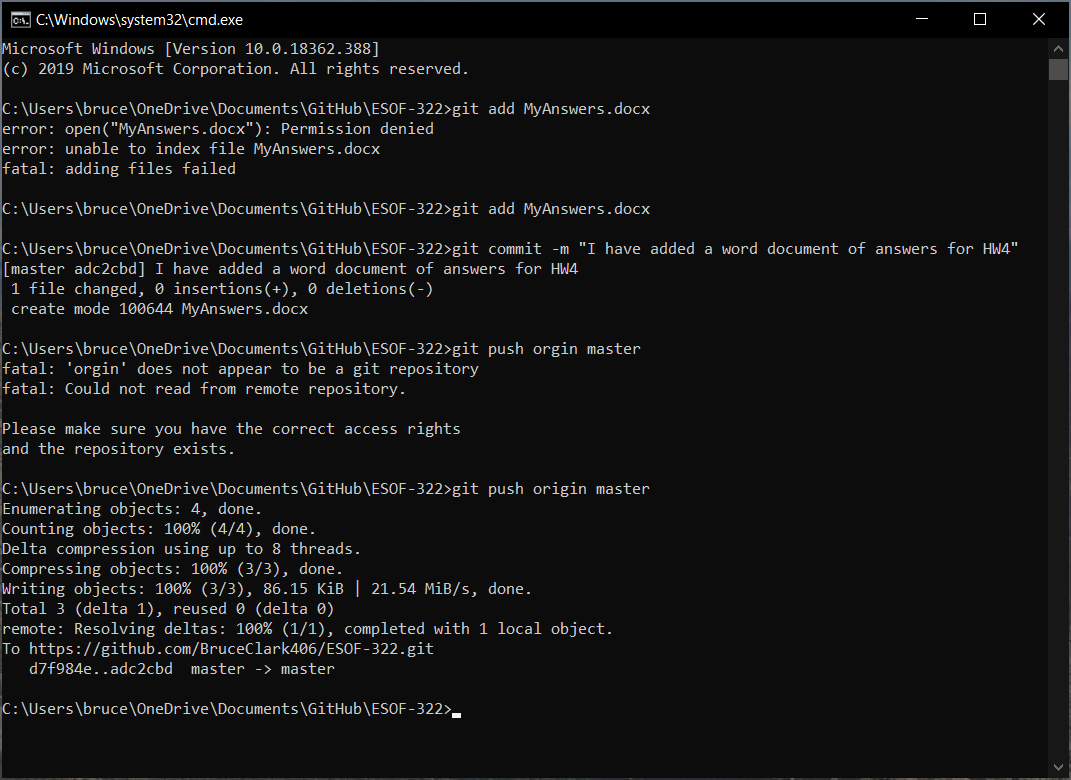
1. According to its summary on SourceForge, “SQuirreL SQL Client is a graphical SQL client written in Java that will allow you to view the structure of a JDBC compliant database, browse the data in tables, issue SQL commands etc.”
2. It has 415,115 lines of java and 433,855 total lines.

This was calculated this using a program called SLOCCount. SLOCCount is a commonly used counting tool for GNU/Linux environments.

Part B

1. See attached paper
2. This tool appears to check file names for the names of design patterns. By searching file names and relying on the developers to name their files according to the design patterns they used, the tool surmises which design patterns might have been used.
3. In this case, the process is probably close to correct because SQuirreL SQL appears to use proper file naming conventions. A quick look at the source code confirms this intuition.

Question 2

1. I used the file upload feature on github.com
   1. 
   2. 
2. Added a file (MyAnswers.docx) to my local machine
   1. 
   2. add MyAnswers.docs
   3. git commit -m “I have added a word document do answers for HW4”
   4. git push origin master
   5. 