## OVITAS INTERVIEW PROGRAMMING EXERCISE

## XML PARSING AND REGEXP

1. The zip file you were given contains Shakespeare's plays in XML format.
2. Your program should look for the word **VIRTUE** in a case-insensitive manner inside every "LINE" tag. If the word "virtue" is followed by an apostrophe or other trailing characters then it should also be found.
3. Your program should iterate through all of the files in the directory and create another directory of files with the original string replaced with the replacement string.
   a. The program should find the original string in **a case insensitive** manner.
4. The program should generate a report (output to the screen) of all of the files that contained the string and count of sting instances per file.

**HINT**: You may use the JDOM Library (Contained in the JDOM folder in the zip file) for this exercise.