COMP 330 Lab 2: Writing a Hadoop Program

Your task in this lab is to start with the word count count code from Lab 1. There three subtasks:

1) Modify the word count mapper so that the program computes counts not for all of the *words* in the corpus, but for all of the *bigrams* in the corpus. Bigrams are pairs of words that appear one after another. Consider the sentence:

```
This is a really cool sentence.
```

The bigrams in this sentence are:

```
(this, is)
(is, a)
(a, really)
(really, cool)
(cool, sentence)
```

Don't worry about bigrams that span lines; we're only concerned with bigrams on the same line. Also, as you implement this, represent bigrams as text strings exactly as I've depicted above (as strings that contain the comma-separated pairs of words, with parens).

- 2) Modify the reducer so that the program only writes out those bigrams that appear more than twenty times overall in the corpus.
- 3) After you do this, run your program, bring up one of your result files, and get checked off.

And remember, SHUT DOWN YOUR CLUSTER