Appendix J: Stemming Process

```java
public String stem(String all) throws Exception {
        PorterStemmer stem = new PorterStemmer();
        String arr[] = all.split("\\s+");
        // split by the white space character
        int len = 0;
        String result = "";
        while (arr.length != len) {
                stem.setCurrent(arr[len]);
                stem.stem();
                result += stem.getCurrent() + " ";
                len++;
        }
```

Synopsis of what is going on:

- This is the code snippet that does the snowball, improved porter stemming process.
- It splits the array of words by its white space character, to split up the words.
- Each word in order, which is counted with 'len', is stemmed and added to result.
- Result adds a whitespace back in to separate the stemmed words.