PROJECT GUTENBERG ANALYSIS

1. Title of the novel you analyzed
   a. Little Women

2. Total number of words in the novel
   a. 185865

3. Total number of unique words in the novel
   a. 11254

4. 20 most frequent words in the novel including the number of times they were used
   a. [['and', 8025], ['the', 7497], ['to', 5066], ['a', 4451], ['of', 3397], ['her', 3245], ['i', 3144], ['it', 2455], ['in', 2442], ['she', 2278], ['for', 2198], ['you', 2181], ['was', 2033], ['as', 1969], ['that', 1833], ['with', 1806], ['he', 1501], ['but', 1458], ['jo', 1245], ['so', 1130]]

5. 20 most INTERESTING frequent words in the novel including the number of times they were used
   a. [['jo', 1245], ['me', 749], ['little', 724], ['meg', 632], ['amy', 571], ['laurie', 546], ['dont', 540], ['very', 490], ['good', 430], ['beth', 413], ['its', 392], ['im', 389], ['never', 375], ['much', 370], ['well', 369], ['old', 362], ['mother', 328], ['away', 328], ['mr', 310], ['only', 295]]

6. 20 least frequent words in the novel including the number of times they were used
   a. [['100', 1], ['18', 1], ['1861', 1], ['20', 1], ['20th', 1], ['76', 1], ['7th', 1], ['aback', 1], ['abase', 1], ['abbey', 1], ['abdicate', 1], ['abeggin', 1], ['abroady', 1], ['abruptness', 1], ['abstinence', 1], ['abstracted', 1], ['absurdities', 1], ['absurdity', 1], ['abuse', 1], ['abused', 1]]

7. From Step 3, a specific word you found that had an interesting pattern usage through the book. Include the word and it's frequency of usage for each chapter in the novel. Write a one sentence summary about why it's pattern was worth noting.
   a. Word : Meg

b. [26, 19, 32, 17, 13, 5, 5, 16, 70, 2, 24, 38, 21, 19, 18, 13, 20, 14, 1, 22, 29, 9, 51, 24, 13, 4, 2, 44, 1, 0, 1, 3, 1, 0, 1, 3, 0, 37, 1, 1, 0, 2, 2, 0, 2, 1, 5]
c. Meg is one of the sisters and is really important in the first half of the book. But in the second half, she gets married and doesn't appear as much anymore :(

8. An interesting quote from the book and the chapter it's found in.
   a. Quote : "If that's the way he's going to grow up, I wish he'd stay a boy"
   b. Chapter : 36

9. The randomly generated sentence from your generateSentence() method
   a. the rug its so dreadful to be christmas wont be a long time she didnt say perhaps never but darkened.

10. Words from my Trie (Optional)
    a. Sentence stars with : "I can't get"
    b. Sentences in the book : ["I can't get over my disappointment in not being a boy.", 'I can\'t get a\nword from him, and when I threatened to shake the truth out of him he\nbolted upstairs and locked himself into his room."']