Fundamentals of Algorithms Codelab 6

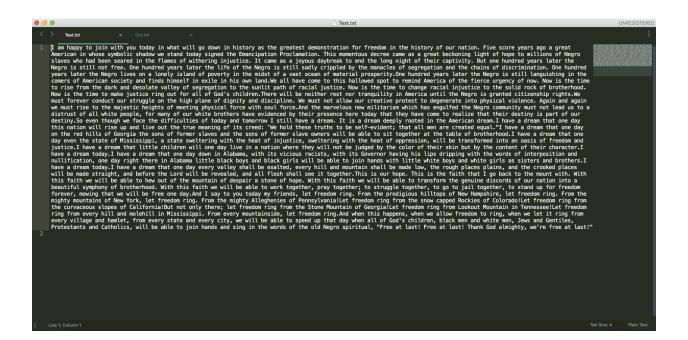
David Hill, Jr. Due: 10/16/2017

1.)

Greedy algorithm might be appropriate for this problem because as the programs runs through the text, it will create a new line once it reaches the maximum possible number of characters for that line. As it does this for each line, it will in effect minimize the total number of lines total given the maximum line length. Hence, by choosing the locally optimal solution, we achieve the globally optimal result.

2.) https://github.com/dhillii/Fundamentals-of-Algorithms/tree/master/David_Lab6

3.)



```
| Davids-MacBook-Air:David_Lab6 davidhill$ ./optimizeText.out
| Please enter an input text file > Test.txt
| Please enter an output file name > Out.txt
| Please enter the max line length desired > 30
| Your file has been generated as Out.txt
| Davids-MacBook-Air:David_Lab6 davidhill$ | |
```

