1. Run the program with the name of the text file to be analyzed as a command line argument
   1. Python3 HW1code\_Brady\_Messer.py inputText.txt
   2. **Program behavior is as follows:**
      1. **The string “xxxx” will be counted as 4 occurrences of x, 3 bigrams, and 2 trigrams**
2. Output for Alice in wonderland chapter 4:

**Overall character occurrences:**

**: 2564**

**e: 1265**

**t: 1054**

**a: 878**

**o: 833**

**h: 733**

**n: 705**

**i: 702**

**s: 607**

**r: 537**

**l: 486**

**d: 474**

**u: 303**

**g: 262**

**w: 261**

**,: 219**

**m: 215**

**f: 212**

**c: 207**

**b: 183**

**y: 177**

**p: 161**

**’: 134**

**k: 100**

**!: 74**

**‘: 66**

**v: 64**

**.: 57**

**\n: 42**

**—: 41**

**;: 26**

**?: 19**

**x: 16**

**q: 14**

**-: 13**

**:: 13**

**j: 7**

**(: 6**

**): 6**

**z: 5**

**“: 2**

**”: 2**

**--------------------**

**Bigram occurrences:**

**l: 81**

**o: 61**

**t: 42**

**e: 30**

**p: 25**

**s: 23**

**b: 17**

**r: 14**

**f: 9**

**n: 6**

**d: 5**

**g: 2**

**c: 1**

**m: 1**

**--------------------**

**Trigram occurrences:**

*Output for Alice in wonderland chapter 8:*

**Overall character occurrences:**

**: 2412**

**e: 1453**

**t: 965**

**a: 840**

**o: 736**

**h: 734**

**n: 718**

**i: 670**

**s: 615**

**r: 515**

**d: 500**

**l: 418**

**u: 329**

**g: 265**

**w: 256**

**c: 240**

**,: 239**

**f: 200**

**y: 193**

**m: 181**

**’: 148**

**\n: 141**

**p: 127**

**b: 123**

**k: 103**

**v: 90**

**‘: 90**

**.: 85**

**q: 47**

**!: 40**

**:: 24**

**x: 24**

**;: 18**

**?: 18**

**—: 15**

**j: 13**

**-: 7**

**z: 4**

**“: 2**

**”: 2**

**(: 1**

**): 1**

**--------------------**

**Bigram occurrences:**

**e: 81**

**\n: 70**

**l: 60**

**o: 32**

**s: 27**

**f: 19**

**t: 15**

**p: 12**

**r: 11**

**b: 6**

**d: 4**

**n: 2**

**c: 2**

**z: 2**

**g: 1**

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**Trigram occurrences:**

1. The two sets of characters are very similar, the first 10 most common characters (counting spaces) are exactly the same for each analyzed chapter of Alice in wonderland, but the frequencies of each character is slightly different. The bigrams for each chapter are different but it seems that bigrams for the letter l are fairly common in both chapters.