

Simple Text Generation Task

during this task you will be coding a fun little task from my field, natural language processing. you will be implementing a simple traditional model called markov chain model for the task of text generation.

task description:

1. Choose a text that you like (Keep it under 0.2mb)
 1. Download the text in .txt format
2. Create a python file. In it:
 2. Open the txt file
 3. (optional) Clean the text file, e. g. lowercase everything etc.
 4. split the text into a list of its tokens (i. e. words and punctuation). You may use native python methods or consult other libraries
 5. Create a dictionary object, where:
 1. the keys are the unique tokens
 2. the values are lists of the next following words that occur after the key token (1 next word for every occurrence) (список наступних за ним слів у тексті)
 6. Generate text. Make it so that:
 1. the program chooses the first word randomly from the keys and prints it (you can use `random` library for this)
 2. then it consults the occurrence list from the dictionary you created to randomly choose the next word to print out (you can use `random` library for this)
 3. repeat 5.2 200 times

for fun:

- when testing, you can post the generated passages to slack, if you see something funny
- :)

3b1b1: Additional points tasks