

wk3-Generating Random Text

Sunday, December 13, 2020

6:49 PM



Congratulations! You passed!

TO PASS 65% or higher

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GRADE

100%

Generating Random Text

TOTAL POINTS 7

1. Here is the code for runMarkovZero.

1 / 1 point

```
1 1 public void runMarkovZero() {  
2 2     FileResource fr = new FileResource();  
3 3     String st = fr.asString();  
4 4     st = st.replace('\n', ' ');  
5 5     MarkovZero markov = new MarkovZero();  
6 6     markov.setTraining(st);  
7 7     for(int k=0; k < 3; k++) {  
8 8         String text = markov.getRandomText(500);  
9 9         printOut(text);  
10 10     }  
11 11 }
```

Which one of the following is the best choice for the correct line of code and the location for this code in the runMarkovZero method in the MarkovRunner class to set the random number seed to 36?



```
1 markov.setRandom(36);
```

This line of code goes anywhere after line 5.



```
1 setRandom(36);
```

This line of code goes anywhere after line 5.



```
1 markov.setRandom(36);
```

This line of code can only go between lines 5 and 6.



```
1 setRandom(36);
```

This line of code goes after line 5 and before line 7.

☐ 1 setRandom(36);

This line of code goes as the first line in the file.

☒ 1 markov.setRandom(36);

This line of code goes after line 5 and before line 7.

✓ Correct

2. In the MarkovRunner class in the runMarkovZero method, set the random seed to 88 and run this method on the file confucius.txt.

1 / 1 point

Which one of the following is the first line of text when this program runs?

- ☐ r2sa ahir Mi thiT neo [ea oad Duey uyrl ouR enae usytgEdliBo
- ☒ rdceu aselAne e9etscered,dnanaceitt t v aes bsslwa ov nMa wse
- ☐ sin.ielfisivoaiec; eto. erds efr e5 l-i4heiYh iM.rCiee lnuo.aeryhtgini
- ☐ pA lalod en niega i rsm.ttohrp, hem.whs imkii,. iev01rmeo ln,ou
- ☐ ewe euwhfgtneAp .tnhnt l t.evtocTbhamaf eo;tnte ,yti,tae.epoleg

✓ Correct

3. In the Tester class, run the program testGetFollowsWithFile with the string "o" and the file melville.txt.

1 / 1 point

What is the size of the ArrayList of characters that follow "o"?

4694

✓ Correct

4. In the Tester class, run the program testGetFollowsWithFile with the string "th" and the file melville.txt.

1 / 1 point

What is the size of the ArrayList of characters that follow "th"?

1490

✓ Correct

5. After the completion of the MarkovOne class to generate random text by finding all the characters that follow one character, set the random seed in the runMarkovOne method in the MarkovRunner class to 273. Then run runMarkovOne on the file confucius.txt.

1 / 1 point

What is the first line generated?

- ☐ asaid teedar gemaungr Yü! oove Pr tang; thedy bem _ d me t wout
- ☐ Wes She erainghemifof: frn fa 60, wiche h aof ct; n the s, f
- ☐ s oldo ataid 1: Yin I at. Ilftho he Whirnict al hing, iisthoteeas
- ☐ id nius tof ch'it nde. amesye the hr thof Makerime tangurntr
- ☒ f Hune whe, ane Whele wiuserretch'sy de be). I lif-pp: h'or.

 Correct

6. After the completion of the MarkovFour class to generate random text by finding all the characters that follow a String of four characters, set the random seed in the runMarkovFour method in the MarkovRunner class to 371. Then run runMarkovFour on the file confucius.txt.

1 / 1 point

What is the first line generated?

- ☐ to a general; vi. 20, is to gover said, Men's last the people;
- ☐ be betterishes are below. My thing made available most to Ts'ai.
- ☒ nswered, The Masters the nations or a confidentity any died all
- ☐ hollow hear is good by the perhaps, in small the people's upright
- ☐ _Ch'en K'ang; vii. 13, asks what Liu-hsia says the music; at

 Correct

7. After the completion of the MarkovModel class to generate random text by finding all the characters that follow a String of characters, set the random seed in the runMarkovModel method in the MarkovRunner class to 365 and pass in N as 8. Then run runMarkovModel on the file confucius.txt.

1 / 1 point

What is the first line generated?

- ☐ the Master said, It is the better, and die at eve were too ill
- ☐ to rise. Tzu-lu was everlastingly humming the second kingdom?
- ☐ 16. The Master angled, but these mine? 3. The Master said, Hen
- ☐ ve is to mete out good form; now it is so no more reading Team
- ☒ Iture, he binds me with changed. 17. When mounting his sounding

 Correct

