Department of Computer Science and Engineering
PES University, Bangalore, India

Lecture Notes
Python for Computational Problem Solving
UE23CS151A

Lecture #49
Problem Solving using text file data as strings.

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Problems on Files:

Solutions are available in this link:

https://drive.google.com/file/d/1qXcU0VTS6d0E_ZKM4hjQ0G0ZC2QFjEiv/view?usp=drive_link

1. Count the number of times the word - python is repeated in a file called python_programming.txt.
2. Print the count of words which starts with the letter 'p' from the file python_programming.txt. This count must be written to a new file p_count.txt.
3. Find the number of characters and words in a file data.txt. Write this count to a new file.
4. Copy the contents of one file to another file. Read the contents from the copied file and display the contents on the terminal.
5. Given a file matches.csv, find the number of matches played in 2009.
6. Create a file called input.txt with the contents "Keep apple and orange in the basket". Read the file input.txt. Create a new file named vowels.txt, which contain only those words which start with a lowercase vowel (i.e. with 'a', 'e', 'i', 'o', 'u')

   Output : The vowel.txt shall contain

   "apple and orange in"
7. Find the length of the longest word in a text file along with the longest word.
8. Create a file called myfile.txt. Read the contents from the user and write the same to that file till user says stop. Open this file and print the contents of the file to the terminal. Also print the number of words in the file.

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