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## Next Set of Code Challenges

1 message

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Code challenge to create a command to copy a file  
Code challenge to read a txt file of absentee students  
Code Challenge to take input of 25 students name and create a text file  
Code Challenge to read the zoo.csv file using readlines and print integrating the list  
Code Challenge to print only the elephant / tiger / lion / zebra / kangaroo  
Code Challenge to print the total number of water need by elephant / tiger / lion / zebra / kangaroo  
Code Challenge to print the total number of water needed by all the animals

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### Code Challenges 1

Let's start with a very simple file of words taken from the text of Romeo and Juliet. (romeo.txt)

We will write a Python program to read through the lines of the file, break each line into a list of words, and then loop through each of the words in the line, and count each word using a dictionary.

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### Code Challenge

Ask the user for the name of a text file. Display the final line of that file.

Think of ways in which you can solve this problem, and how it might relate to your daily work with Python.

### Code Challenge 8

#### Word count

Unix systems contain many utility functions. One of the most useful to me (in my writing) is wc, the "word count" program. If you run wc against a text file, it'll count the characters, words, and lines that the file contains.

The challenge for this exercise is to write a version of wc in Python. However, your version of wc will return four different types of information about the files:

Number of characters (including whitespace)

Number of words (separated by whitespace)

Number of lines

Number of unique words

The program should ask the user for the name of an input file, and then produce output for that file.

### Code Challenge 1

Write a program that, given an image file will perform image processing operations.

Your image processing code should make use of PIL library for image processing in Python (Click Here for Image).

Keep only one output image i.e perform all tasks on the same image (override) and print only the name of

your output image with extension name in the end of your program.

Take the Image name from User (Handle the extension for image file name in your code)

The image processing features to be provided by your code are:

- a. Greyscale
- b. Rotate\_90 (Rotate the given image file by 90 clockwise)
- c. Crop (Center) (size = 160(W), 204(H))
- d. Thumbnail – Generate the thumbnail of the given image (size = 75, 75)

#### Code Challenge 2

Convert all files PNG in a directory into different sizes

Hint: `os.listdir('.')` function will list all the files in the current directory

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#### 2 attachments

 **romeo.txt**  
1K

 **zoo.csv**  
1K