

Python – Intermediate 1 Assignments

WELCOME TO PYTHON!

1. Create a Python program called “DLInfo” that creates a *new* .txt file called “DLText.txt”. This program should take 5 pieces of Driver’s License information and write them to the text file. The pieces of information are:
 - a. Full name (*first last*)
 - b. Eye color
 - c. Hair color
 - d. Height
 - e. Weight

<INSERT SOURCE CODE HERE>

<INSERT SCREENSHOTS OF PROGRAM AFTER RUNNING HERE, SHOWING THE MAIN, THE CONSOLE AND THE CREATED FILE. MULTIPLE SCREENSHOTS MAY BE NECESSARY>

2. Create a Python program called “WritingRandoms”. This program should create a *new file* called “RandomsText.txt” and get user input to determine how many random numbers to write and what range they should be in. It should then write the numbers to the new file with a new line for each number.

<INSERT SOURCE CODE HERE>

<INSERT SCREENSHOTS OF PROGRAM AFTER RUNNING HERE, SHOWING THE MAIN, THE CONSOLE AND THE CREATED FILE. MULTIPLE SCREENSHOTS MAY BE NECESSARY>

3. Create a Python program called “FinishingAStory” that adds to an already existing file called “StoryTime.txt”. The txt file should already have 1 line of text that reads “Once upon a time... In a land far, far away...”. The main program should only add to this file by writing 3 more *lines* of text after the already existing text that complete a story. I leave the story writing up to you...

<INSERT SOURCE CODE HERE>

<INSERT SCREENSHOTS OF PROGRAM AFTER RUNNING HERE, SHOWING THE MAIN, THE CONSOLE AND THE CREATED FILE. MULTIPLE SCREENSHOTS MAY BE NECESSARY>

4. Create a Python program called “ReadMe” that reads an entire text file called “Fresh.txt” and prints the whole file to the console. “Fresh.txt” should have the following information already in it:

“Now, this is a story all about how,
my life got flip-turned upside down.
And Id like to take a minute just sit right there,
Ill tell you how I became the prince of a town called Bel-Air.

In west Philadelphia, born and raised,

Python – Intermediate 1 Assignments

on the playground is where I spent most of my days.
Chillin out maxin, relaxin all cool,
and all shootin some b-ball outside of the school.
When a couple of guys, who were up to no good, started makin trouble in my neighbourhood.
I got in one little fight and my mom got scared,
she said, Youre movin with your auntie and uncle in Bel-Air.

I whistled for a cab and when it came near,
the license plate said Fresh and had dice in the mirror!
If anything, I could say that this cab was rare,
But I said, Naw forget it. Yo homes to Bel-Air!

I pulled up to a house about seven or eight,
and I yelled to the cabby, Yo homes, smell ya later!
Looked at my kingdom, I was finally there.
To sit on my throne as the Prince of Bel-Air.”

<INSERT SOURCE CODE HERE>

**<INSERT SCREENSHOTS OF PROGRAM AFTER RUNNING HERE, SHOWING THE MAIN, THE CONSOLE
AND THE CREATED FILE. MULTIPLE SCREENSHOTS MAY BE NECESSARY>**

5. Create a Python program called “ReadMe2” that does the same thing as “ReadMe”, but instead of reading the entire file at once, it should take each line and only print the ODD NUMBERED lines to the console.

<INSERT SOURCE CODE HERE>

**<INSERT SCREENSHOTS OF PROGRAM AFTER RUNNING HERE, SHOWING THE MAIN, THE CONSOLE
AND THE CREATED FILE. MULTIPLE SCREENSHOTS MAY BE NECESSARY>**

6. Create a Python Program called “MaxMin” that reads the lines of an already existing file named “RandomList.txt”. The program should then determine the maximum, minimum, number of elements and average of the numbers in the file and print them to the console with labels for each of the values telling the user which is which (*e.g. Maximum: 29*). The following numbers should be placed into the RandomLists.txt file, 1 number per row.

86	569	531	400	38	37
560	494	31	879	428	276
323	871	118	453	751	889
443	564	334	766	744	621
510	589	632	545	176	820
748	358	550	28	738	
14	59	67	152	165	
878	684	557	490	322	
390	605	92	307	49	

Python – Intermediate 1 Assignments

<INSERT SOURCE CODE HERE>

<INSERT SCREENSHOTS OF PROGRAM AFTER RUNNING HERE, SHOWING THE MAIN, THE CONSOLE AND THE CREATED FILE. MULTIPLE SCREENSHOTS MAY BE NECESSARY>

7. Create a Python program called “ReadMeReverse” that reads an already existing txt file called “PeterPiper.txt” that contains the following text:

*“Peter Piper picked a peck of pickled peppers.
A peck of pickled peppers Peter Piper picked.
If Peter Piper picked a peck of pickled peppers,
Where's the peck of pickled peppers Peter Piper picked?”*

The main should then print all the lines of the file to the console in reverse order.

<INSERT SOURCE CODE HERE>

<INSERT SCREENSHOTS OF PROGRAM AFTER RUNNING HERE, SHOWING THE MAIN, THE CONSOLE AND THE CREATED FILE. MULTIPLE SCREENSHOTS MAY BE NECESSARY>

8. Create a Python program called “NoAs” that reads a file called “Example.txt”. (*this Example.txt file can have any text of your choosing*). But, when it prints the text to the console, it should replace all of the letters ‘a’ with an asterisk (*).

<INSERT SOURCE CODE HERE>

<INSERT SCREENSHOTS OF PROGRAM AFTER RUNNING HERE, SHOWING THE MAIN, THE CONSOLE AND THE CREATED FILE. MULTIPLE SCREENSHOTS MAY BE NECESSARY>