

Wk 10	Focus & Medium Oct 31 to Nov 5	Weekly Topic & Assignment																					
<p>"" it.304 week 10 EXAM - 7 pillars of python, Created on Sat Oct 22 07:42:57 2022, Updated 10/31/22</p> <p>#=> Good writing is good thinking, and good programming is mad-hatting</p> <p>#=> due date = when you complete the exercises</p> <p>""Over the past few weeks have you have taken the time to learn Python data structures, data pack/unpack, data transformation, conditionals, iterators, functions, and building your own object-oriented classes. Whew!</p> <p>This is a significant undertaking and all autobots.it304 have performed amazingly well. You have shown your capacity to think different and "sticktoitness." You are doing the work others find challenging.</p> <p>Now let's take Shakespeare from the bottom up. In this challenge you will work directly with text files and duplicate the spreadsheet tables from weeks 5-8. You will import, transform, iterate, use conditionals, and end with a simple object asking user what they want to read and giving it to them. Use your skills and make it so. ~brianh</p> <p>p.s. Please provide quality and thoughtful answers to all questions. I encourage you to write as much as you want, ask me questions back, and use this as your opportunity to build a piece of evidence you can put in your portfolio and showcase to an employer. I am happy to help you expand items if you would like to do.</p> <p>#=> EXAM Part 0 - fill in the blanks</p> <table border="1"> <thead> <tr> <th>obj_Name</th><th>character code</th><th>explicit code</th></tr> </thead> <tbody> <tr> <td>i) mytuple =</td><td>(,)</td><td> => mytuple = tuple(myobject)</td></tr> <tr> <td>ii) mylist =</td><td></td><td> => mylist =</td></tr> <tr> <td>iii) mydict =</td><td></td><td> => mydict =</td></tr> <tr> <td>iv) myset =</td><td></td><td> => myset =</td></tr> <tr> <td>v) dataframe =</td><td></td><td> => df =</td></tr> <tr> <td>vi) mystring =</td><td></td><td> => mystring=</td></tr> </tbody> </table> <p># data files here in either a zip or individual files. if you download git</p> <p>#https://github.com/bbe2/IT.304.Fall.2022/tree/Shakespeare-Corpus</p> <p>#https://github.com/bbe2/IT.304.Fall.2022/blob/Shakespeare-Corpus/shakespeare_txt_fullname.zip</p> <p>#-----</p> <p>#=> EXAM Part I - replicate shakespeare spreadsheet from wks 5-8</p> <p>#-----</p> <p># Situation: unfortunately your business customer cant read the data b/c</p> <p># they dont know how to open text files in WORD. PLEASE help them out!</p> <p># 1a) get the names of the play</p> <p># 1b) create a list of play script data</p> <p># 1c) count total words in script and titles</p> <p># 1d) create numeric indexID for each: hint -> list(range(999))</p> <p># 1f) DARN-it! there is not play type information. What should u do?</p> <p># 1e) create a dictionary that matches weeks 5-8 input spreadsheet</p> <p># => title, script, type, id</p> <p># 1g) send dict to df, df to spreadsheet, email to me</p> <p>#-----</p> <p>#=> EXAM Part II - create summary report by play type</p> <p>#-----</p> <p># Total all script words and title words by 3 play types</p> <p># send to df to spreadsheet and email to me</p> <p>#-----</p> <p>#=> EXAM Part III - ask user what play they want to read and email the data</p> <p>#-----</p> <p># 3a) Create an object with one or two functions.</p> <p># Ask user what play they want to read.</p> <p># Figure out a minimum of 1 other useful piece of information</p> <p># to display or include in user report.</p> <p># Have function export data and send me data file.</p>			obj_Name	character code	explicit code	i) mytuple =	(,)	=> mytuple = tuple(myobject)	ii) mylist =		=> mylist =	iii) mydict =		=> mydict =	iv) myset =		=> myset =	v) dataframe =		=> df =	vi) mystring =		=> mystring=
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