**DBS900 Lab 2 – Learn basic of Python, 2%, Individual**

**Note re 0-screen**

**For all online submissions you should start by including 0-screen which is to indicate that the work is performed by you on your computer.**

**Sample of 0-screen**

A screenshot of a computer screen

Description automatically generated

**A customized wallpaper must be shown and used throughout the submission screenshots.**

**Lab task**

**Pre-requisite: you have Python installed and running.**

**Lab option 1 – basic Python**

**Task 1 – Learn basic Python command interface**

**Open the Python Tutorial at**

* [**https://pythonprogramming.net/introduction-learn-python-3-tutorials/**](https://pythonprogramming.net/introduction-learn-python-3-tutorials/)

**You will see the following screen:**A computer screen shot of a computer screen

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**This video shows basics of Python step by step. It demonstrates the code in Python which you can run on your own computer. Go through the tutorial on your own pace. At the end of each step you will have some programs, for example the one shown below. Make the screenshot and put into MS Word document for submission, make your own comments.**

A screen shot of a computer

Description automatically generated

**If you want more information consult official documentation:**

* [**https://docs.python.org/3/tutorial/index.html**](https://docs.python.org/3/tutorial/index.html)

**At the end of each step make screenshots in order to demonstrate your results, collect them into MS Word document.**

**Task 2 – learn to create and run Python scripts from the library**

**Use text editor to make and run Python scripts. You already have Jupyter installed. In the video the Sublime text 3 editor is used. You can install it to be consistent with the videos. Or, you can use Jupiter as well.**

**Proceed with other videos from this tutorial. Work on videos from this tutorial after installation.**

* [**https://pythonprogramming.net/introduction-learn-python-3-tutorials/**](https://pythonprogramming.net/introduction-learn-python-3-tutorials/)

**The second video explains major data constructs of Python – tuples, strings and loops.**

**The third video explains lists (arrays).**

**Proceed to the next and complete work on all videos you see on the screenshot below (6 videos in total).**

A computer screen shot of a computer screen

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**Your task is to follow the instructor’s work and make the scripts on your computer in your text editor (Jupyter or Sublime).**

**Make screenshots and your own comments for each completed video on your computer and include them into your submission MS Word document.**

**Submission: MS Word document with your screenshots and comments.**

**Online Submission requirements**

Make online submission to BB, only one submission from your team.

If you have more than one document, wrap it up to ZIP, 7ZIP, or RAR folder

Name the file you will uploading as indicated below. The name must include:

* Course ID (CYT715)
* Section (Monday or Friday)
* What is this (e.g. lab1, assignment 1, etc )
* Authors by name(s)

**Sample: DBS900Lab1\_Peter**

**Note: submissions that do not follow the requirements will not be accepted**