Full Stack Web Development SLP – Assignments

Assignment 1: GitHub

Link:

http://tut.wilms.co.za/lms/author/courses/topics/units/21/lessons

For this assignment, all you need to do is to create a pull request for the repo:

https://github.com/TUTPy/TUTSLPtest

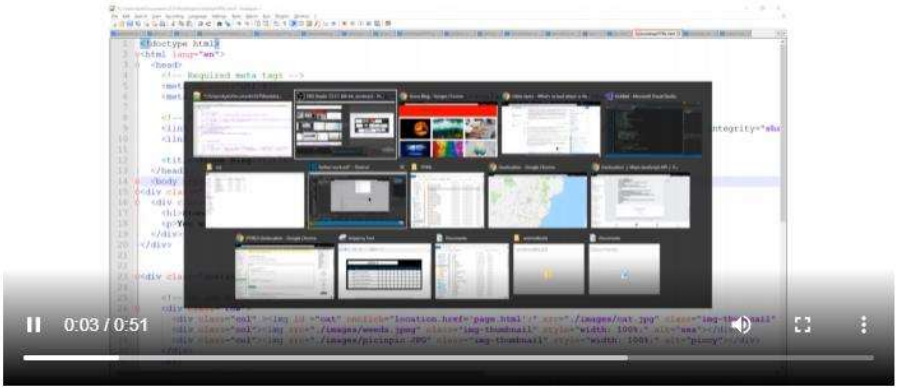
In your request there should be a text file with your student number as the file name.

That is all. Once I merge the request, you are done.

Struggling with access tokens?

https://docs.github.com/en/authentication/keeping-your-account-and-data-secure/creating-a-personal-access-token

Assignment 2: Bootstrapped Blog



Delete Video File

To submit,

Send a link to the GitHub repository of your blog to StoneK@tut.ac.za

Link:

http://tut.wilms.co.za/lms/author/courses/topics/units/31/lessons

For this assignment you create a blog using Bootstrap and to submit you send me a link to your GitHub repository via my email: StoneK@tut.ac.za with the subject “Assignment 2”.

The best creation wins a prize.

Assignment 3: Python Function Exercises

Link:

http://tut.wilms.co.za/lms/author/courses/topics/units/10/lessons

CODE:

```
########################################
####  EXERCISE 1 30 MARKS############
########################################
#
# Student name:
# Student no:
# Date:
# Assignment 3: Python
#

# Time to review all the basic data types we learned! This should be a
# relatively straight-forward and quick assignment.

##################
## Problem 1 - 10 Points##
##################


# Given the string:
s= 'fullstackslp'


# Use indexing to print out the following:
# 'f'
print()


# 'p'
print()


# 'stack'
print()


# 'slp'
print()
```

```
# 'cks'
print()


# Bonus: Use indexing to reverse the STRINGS
#print()


##############
## Problem 2 - LISTS - 5 Marks##
##############

# Using keys and indexing, grab 'hello' from the following Dictionaries:


d1 = {'simple_key':'hello'}
print()


d2 = {'k1':{'k2':'hello'}}
print()


d3 = {'k1':[{'nest_key':['this is deep',['hello']]}]}
print()


###############
## Problem 4 - SETS - 4 Marks##
###############

# USe a set to find the unique values of the list below:

mylist = [1,1,1,1,1,2,2,2,2,3,3,3,3]
#Your code here:

###############
## Problem 5 - FORMATTING - 5 Marks##
###############


# You are given the variables:
```

```
age = 45
name = "Kyle"


# Use print formatting to print the following string
# "Hello my dog's name is Kyle and he looks 45 years old"
print()
```

Complete all the challenges by filling in the code above. Make sure it runs. If it does not run, you get no marks. Create a GitHub repository where you store the .py file with your attempted solutions and send the link to StoneK@tut.ac.za with the subject “Assignment 3”.

Assignment 4: Capstone Python/Django Project

With this activity you are required to create or redesign the bootstrap blog you created in the previous modules (Assignment 2). Build onto that blog and submit your GitHub repository link to the email StoneK@tut.ac.za with the subject “Assignment 4”. Part of the requirements are listed below: 1) Use MySQL database 2) Use bootstrap 3) A user should be able to create update and delete (CRUD) a blog article they have written 4) Users should be able to add comments 5) Be creative and have fun! Goodluck!

Link:

http://tut.wilms.co.za/lms/author/courses/topics/units/35/lessons