INFO 6079: LAB 03

LAB OBJECTIVE

- Practice formatting
- using Datetime

Lab Time:

You will be required to submit the slides for this
Due January 24, 2023 11:59pm
Late submission will result in loss of grade.

General comments:

- Make sure that you use proper spaces needed in the blocks:
  i.e. classes and their methods
- Keep things as simple as possible.
- We are going to write script that will use **datetime, subprocess, and formatting import modules** subprocess, datetime
- Output to screen – make it readable – indicate steps and separate

Step	Mark	Details	out of 18
1.	1	Create file	
3.	1	Set variables	
5	1	datetime.datetime(year,month,day)	
6a-c	2	Calculate Age	
6d	2	Use {f} and format() that we learned in this week's lesson	
7a	1	Use the strftime() function	
8	1	Date format	
10a	1	Set Variable website	
10b	1	Set Variable PING times	
10c	3	Subprocess: Ping website	
11	2	subprocess.run() function to get NETSTAT	
13	2	Print time difference	
TOTAL	18		

Start of Lab

1. Creating a new python file and save where you know it is.
   a. Name it: [your initials]_lab_week03.py
2. First line(s) should be:
   import datetime, subprocess
3. Set a variable and fill with current date and time.
4. Set up 3 int variables for a birthday (year, month, and day)
   a. Get the user to input the information
5. Use these three variables to set a datetime object
   a. Set a variable
   b. To set a datetime object use datetime.datetime(year,month,day)
6. Calculate age by getting the difference from current datetime from step 3
   a. Need to subtract the dates
   b. Divide by 365
   c. Print the results using formatting.
   d. Use {f} and format() that we learned in this weeks lesson
7. Use the date from step 3 to print the following "Date: April 14, 2020"

a. Use the strftime() function

8. Use the date from step 3 to print the following "Start time: 3:45:41"
   a. Use variable.hour, variable.minute and variable.second options

subprocess

9. Use https://docs.python.org/3/library/subprocess.html
10. Use subprocess.run() function to ping a website a several times:
    a. Set 2 variables
        i. One for website
        ii. Second for count of times to ping
    b. Use these variables and -n option get the amount of pings
    c. Output to screen

11. Write a subprocess.run() function to get NETSTAT
    a. Output to screen

12. Create another variable that holds datetime object.
    a. This one will hold the time the script ends

13. Calculate the time difference between the start of the script starting and to this point.
    a. Use the variable in steps 3 and 11
    b. Print the output

Lab Scoring:

- Lab is graded out of 18 points.
- Submitting files in zip format will result in 0.
- Don't forget to submit the code.

Submit to LAB 3 - due Sep

Submit: 1 file: [your initials]_lab3_week03.py
e.g HBH_Lab3_Week3.py