CEE/ENMGT 3102/5102
Homework 1

Due: Thursday, Feb. 2, 2023

In this assignment you will demonstrate:

a. Using slicing notation to access particular characters in a string.

b. Generating a Dictionary.

c. Writing a simple loop.

d. Using dictionary *keys* to access dictionary *values*.

Question 1: Slicing

Submit a screenshot of a Python terminal in which you:

1. Create a string object (i.e., a variable) containing your full name (both first and last names, in one single string).
2. Use a slicing syntax to output every third letter in the string.
3. Use a slicing syntax to display the string in reversed order of letters.

Question 2: Dictionaries, loops/comprehensions

Submit a screenshot of a Python terminal in which you:

1. Create a dictionary with the keys `"first_name", "last_name", "netID"`, and populate the appropriate values.
2. Write a loop or comprehension that iterates over the *keys* in the dictionary and displays the *values* as output.

Hints:

- You can use `print()`, or generate output as a `list`, or have python display it in some other way. Anything is acceptable as long as Python displays it in the terminal.
- Please include only these requested things (your code and its output) in the screenshot, and have them immediately following the python greeting message that appears when you start the terminal. Your screenshot should include the greeting message, your (concise, clean) code, and the output, and nothing else. The terminal will look something like the following when you start it, depending on your device's operating system and software version:

```
Python 3.10.9 (main, Dec 19 2022, 17:35:49) [GCC 12.2.0] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>>
```

- Please use the Python terminal directly, and not an IDE or other interface when you turn in this assignment. Note that the Python IDLE, that you likely installed from python.org, *is acceptable*. The interface there should look very similar to the terminal used in class.
- Please upload two image files to Canvas, one for each question (each screenshot should include only one question, and the Python greeting message).