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Course: IT FDN 110 A

Assignment 07 - Intro to Programming

Gitlab Link: <https://github.com/vrobado/IntroToProg-Python-Mod07>

Git Web Page: <https://vrobado.github.io/IntroToProg-Python-Mod07/>

Note: My images are not displaying on my web page because the images were stored in my computer’s private file. At least I know that now!

[Pickling article](#) - useful because it has awesome examples that helped me write my script.

[Error handling article](#) - useful because it’s a nicely organized page with many different explanations of different error handling.

Introduction:

This week’s learning was focused on pickling and error handling. I am a test engineer and do quite a bit of error handling in my automation testing, but I’ve never taken a formal Python class before (I’ve learned everything I know on the job, aside from this class) and it was nice to gain a better understanding of it via my own research and the course videos. Pickling was a new concept to me, but after some research and practice, it all made sense.

Thought process while watching course videos and writing my script:

1. This week, the script was focused on giving a demo of pickling and a demo of error handling. As I mentioned in the introduction, I’m familiar with the latter but needed to invest some extra effort to understand pickling.
2. While I don’t include it in my script, in my practice, I learned to appreciate using PASS as a placeholder for when a function is defined but I don’t have the code in it yet. This helps me stay organized.
3. Professor Root suggested doing as many try-except blocks that you can think of in a script, as this is beneficial for testing (my job!). I will certainly take that advice and apply it at work.
4. I always find it useful to familiarize myself with Python’s builtins.py file. These functions help me understand what’s already available in my toolkit. See Figure 1.0 for an example of hitting command+b to enter the file with all these functions.

5. I spent a bit of time making my script look nice because this script has two demos in one and I wanted to make sure they were clearly separated. See Figure 1.1 for an example of what I mean.
6. Making a Github webpage was the next step after my script. I was happy to practice this because I always encounter markdown language in my job and I haven't taken the time to understand it.

```
def islower(self, *args, **kwargs): # real signature unknown
    """
    Return True if the string is a lowercase string, False otherwise.

    A string is lowercase if all cased characters in the string are lowercase and
    there is at least one cased character in the string.
    """
    pass

def isnumeric(self, *args, **kwargs): # real signature unknown
    """
    Return True if the string is a numeric string, False otherwise.

    A string is numeric if all characters in the string are numeric and there is at
    least one character in the string.
    """
    pass
```

Figure 1.0: builtins.py (I used isnumeric in my script)

```
===== Pickling Demo =====
Enter an ID: >? 2
Enter your name: >? vic
[2, 'vic']
===== End Pickling Demo =====
```

Figure 1.1: Separating the demos using the print function to display the message.

Summary:

These simple demos made me feel more confident in my ability to display my code's output how I want it to. It was fun to play around with different try-except or raise exceptions. While I don't see myself using pickling much in my current work, it's good to know the option for writing to a binary file is actually not too tricky - I'm sure it would be handy to know one day.