Exercise 0: Intro to Python*

EENG350: Systems Exploration, Engineering, and Design Laboratory

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Spring 2022

1 Python

For this course, Python will be used as the default scripting language when working with the Raspberry pi, while C++ will be used on the Arduinos. You should have already had an introduction to C++ in your programming concepts course, we will start this semester with an introduction to Python. Python is already installed on the lab computers and will be installed on the Raspberry Pi. **You will be using Python 3 for this class.** You can use Spyder or Python 3 IDLE to run Python 3 on the lab computers and Thonny or IDLE 3 on the Raspberry Pi. (C/C++ can be used if preferred. Personal experience suggests Python as a good choice for the beginner when it comes to computer vision.).

Our first assignment for the SEED lab will be to demonstrate proficiency in Python. You can do this in one of two ways:

- Complete the exercises under Learn the Basics: `https://www.learnpython.org`. At the end of each section there is an example. Copy your solution for each example a single text file, and submit this text file to the Assignment 0 link on Canvas.
- Submit a Python program of at least 50 lines that you have created. In the documentation, describe what the program does and how to run it. Submit this to the Introduction to Python assignment link on Canvas.