Learning Plan Index - Python (11 plans)(13 colabs)(64 pages)

[Intro](https://docs.google.com/document/d/1ieOsIZ4MGX7nkvuzKJFgK4HE-w2MuzxzUGpzT5K1JQ4/edit?usp=sharing) | [OOP](https://docs.google.com/document/d/13Tu9ubgxWIWRVTY7J4SVTnN5fA6M6Z2sIXaWdTMfp6Q/edit?usp=sharing) | **Python** | [Web](https://docs.google.com/document/d/1S-fQJLaosPCp3rBQRV_OmXnOg-HvwNQoXzlnUCIJZ9E/edit?usp=sharing) | [Java](https://docs.google.com/document/d/1NbFNSMBDB_N_DX3wUqQ69B0NWEM73TfWdR13TYa2e4k/edit?usp=sharing)

[How to install Colab Notebooks](https://docs.google.com/document/d/1aiTy4a8bQAJkBPJwtXctleVcT5OJi00Hm8rUupZrss4/edit?usp=sharing)

Unit 1 - Introduction to Python and Programming

1. [Colab - Unit 1 Basic Output & Program Requirements](https://colab.research.google.com/drive/1YSrkSu_SZVAJ1TBFhfSnTR42hpn7A0MR?usp=sharing)
2. [01P - 01 - Unit 1 Introduction to Python Problems](https://docs.google.com/document/d/1uDStcO60uW6h_1VUUVvnGoTgicWm8PExUUDozRFXWnA/edit?usp=sharing) (4)

Unit 2 - Elementary Programming

1. [Colab - Comments, History, Variables, Input, Eval](https://colab.research.google.com/drive/190FuhOu2D1tcKRp4EOt5innzsF2kzLUj?usp=sharing)
2. [Colab - Numeric Operations, Augmentation, Time](https://colab.research.google.com/drive/1KKw8wg9G14d1UbNJcggwgsWJh-ew47XY?usp=sharing)
3. [02P - 01 - Unit 2 Elementary Programming Problems](https://docs.google.com/document/d/1evt6pw_FimlN66gg9sEbpMGKfuePOo0_m5hiXFqjMRw/edit?usp=sharing) (3)

Unit 3 - Mathematical Functions, Strings, Objects

1. [Colab - Strings, Escape Sequences, print end, Format, Turtles](https://colab.research.google.com/drive/1NzpGTGvS6gL_xRlGW-2mrcSG5oH9F4Zc?usp=sharing)
2. [03P - 01 - Unit 3 Math Functions, Strings, Objects Problems](https://docs.google.com/document/d/1o-w2biqzHmbxNCSFG7V_WK9jReS9rTAEDEFEJl4Bhkk/edit?usp=sharing) (3)
3. Chapter 1-3 Test

Unit 4 - Selections

1. [Colab - If Statements](https://colab.research.google.com/drive/1Uy_B6lS7FgO3APdGU2CAbDnsyQ6Ey7BR?usp=sharing)
2. [Colab - Boolean Logic and Boolean Variables](https://colab.research.google.com/drive/1cOkm-SUf2nZcIoCwhXFJW0wiKgn6DmrC?usp=sharing)
3. [Colab - Random Numbers](https://colab.research.google.com/drive/1QpU_g8D6HwOi8g51ubxlFPxVc07wjRwr?usp=sharing)
4. [04P - 01 - Unit 4 Selection Python Problems](https://docs.google.com/document/d/1utSkWwywFFBIrGj92c4AdRXMrbJTp2SfRZm2C9SnoLI/edit?usp=sharing) (4)

Unit 5 - Loops

1. [Colab - For Loops](https://colab.research.google.com/drive/1y3L9yTnKTg58alMIxIIY0qdF86pVk0Hn?usp=sharing)
2. [Colab - While Loops](https://colab.research.google.com/drive/1BM3XRTA0eyRGPT4Ra_fVBnwIgTMFByo_?usp=sharing)
3. [05P - 01 - Unit 5 Loop Python Problems](https://docs.google.com/document/d/1QVY2W3QqMvM1hycsAz4sAzH-_O1oRKnLG2WltFFznkE/edit?usp=sharing) (8)
4. Chapter 4-5 Test

Unit 6 - Functions

1. [Colab - Functions](https://colab.research.google.com/drive/1Ual82a0P5LhhPnc04G32twgQ4ZwCn6l9?usp=sharing)
2. [06P - 01 - Unit 6 Function Python Problems](https://docs.google.com/document/d/11HPh0ghOVt3qa2X3jOCcM8hu0NUtWynsgGE6QG9wupg/edit?usp=sharing) (6)

Unit 7 - Lists

1. [Colab - Lists](https://colab.research.google.com/drive/1fHmdkcVNnY9GBXDXyGXd0f_pNlFah6U3?usp=sharing)
2. [07P - 01 - Unit 7 Lists Python Problems](https://docs.google.com/document/d/1SzRUvMFnvV90NtmRZtyaHDUMFBpKVSwqztUVDiAaomg/edit?usp=sharing) (7)
3. Chapter 6-7 Test

Unit 8 - Classes and Objects

1. [Colab - Classes and Objects](https://colab.research.google.com/drive/1B1dEmpFYRdg3-jQXjzRU1EIz8cGKay6C?usp=sharing)
2. [08P - 01 - Unit 8 Class & Object Problems](https://docs.google.com/document/d/1BamOpFtk7IH_gKc8fj9mjiTw1_6CHGcTtIUUpFpg4Aw/edit?usp=sharing) (13)
3. Chapter 8 Test

Unit 9 - Strings and Special Methods

1. [Colab - Strings and Special Methods](https://colab.research.google.com/drive/1-qMTHO_1jSv_AylgyTFJEmngXc8XwJS0?usp=sharing)
2. [09P - 01 - Unit 9 Strings & Special Methods Problems](https://docs.google.com/document/d/1GJZesiFBbgkk7aLPxulgOnOSY6VkiPzWPwvQ7PpK0jA/edit?usp=sharing) (5)

Unit 10 - GUI Programming using Tkinter (Graphical User Interface)

1. [10P - 01 - Unit 10 GUI - Graphical User Interface with Tkinter](https://docs.google.com/document/d/1pk_oMXLYP9qt2_HDl49-dHFtxJqAdpoFXkKuwQQmGHQ/edit?usp=sharing) (7)
2. [10P - 02- Unit 10 GUI Python Problems](https://docs.google.com/document/d/1yFr-DdR74WNCNLI5meUiowan_MZn3ijg1KId07X4M9A/edit?usp=sharing) (4)