

## **Variables**

**A Python variable is a symbolic name that is a reference or pointer to an object. Once an object is assigned to a variable, you can refer to the object by that name.**

## **Lists**

**Lists are used to store multiple items in a single variable. Lists are one of 4 built-in data types in Python used to store collections of data, the other 3 are Tuple, Set, and Dictionary, all with different qualities and usage.**

## **Functions**

**A function is a block of code which only runs when it is called. You can pass data, known as parameters, into a function. A function can return data as a result.**

## **While-loop**

**What is a while loop in Python? A while loop will run a piece of code while a condition is True. It will keep executing the desired set of code statements until that condition is no longer True.**

**Methods**

**Match-case**

**For-loop**

**Type-conversion**



**List Indices**

**Tuples**

**Enumerate**

**F-Strings**

**Write Text Files, Read Text Files**

**File Paths**

List Comprehensions

**Comments**





**If, Elif, and Else Conditionals**

**Slicing**

**Dictionaries**

**Try-Except and Exceptions**

**Continue Statement**

**Custom Functions**

**Function Arguments**



**Multiple Arguments**

**Decoupling Output**

**Default Arguments**

**Doc Strings**

**Decoupling Functions**

**Local Modules and Import**

**Standard Modules**

**Git and Github**



**Third-Party Modules**





**Heroku Deployment**



**Data Handling with Pandas**

**Sending Emails**