Variables in python

Rules for Python variables:

* A variable name must start with a letter or the underscore character
* A variable name cannot start with a number
* A variable name can only contain alpha-numeric characters and underscores (A-z, 0-9, and \_ )
* Variable names are case-sensitive (age, Age and AGE are three different variables)

Adding two variables requires the + operator an example of this can be seen in the variables python file

**Global variable**

Variables that are created outside of a function are known as global variables.

Global variables can be used by everyone, both inside of functions and outside.

**Local variable**

If you create a variable with the same name inside a function, this variable will be local variable, and can only be used inside the function. The global variable with the same name will remain as it was, global and with the original value.

**Creating a global variable within a function**

Normally, when you create a variable inside a function, that variable is local, and can only be used inside that function.

To create a global variable inside a function, you can use the global keyword.

You can also use the global keyword to change a global variable within a function.