**TASK**: Look at each of the phrases below and ensure you understand what each of these means. For any that you do not understand, do a little research to find a definition of each term. This research may involve looking back over these notes, or the associated lecture notes. It may also involve searching for these terms on the Internet.

* Assignment
* Data-type
* Argument
* Indexing
* Slicing
* Mutable
* Immutable

Assignment: The process of giving a value to a variable. Example

X=10

Data-type: It specifies the kind of data a variable can hold and determines

the operation that can be performed on the data.

int: Integer numbers (e.g., 10, -5, 0).

Argument: It is a value passed to a function when it's called.

Indexing: It the process of accessing individual elements within a sequence (like a list or string)

using their positions.

Slicing: It is the process of extracting a portion of a sequence (like a list or string) using a range

of indices.

Mutable: Mutable object is one whose value can be changed after it's created.

Example Lists are mutable.

Immutable: Immutable object is one whose value cannot be changed after it's created.

Examples strings are immutable.