Python Notes

Lambda Functions

* A lambda function, is a small, anonymous function in python.
* It can have any number of arguments but only one expression.
* It can be useful for when you need a short function for a single operation.

Map() Function

* The map () functuion applies a given function to each item of an iterable (e.g., list, tuple) and returns a new iterable (map, object).
* It is useful when you want to apply the same function to every element in a list.

Filter() Function

* The filter() function applies a function to an iterable and returns only the elements that satisfy a condition.
* The filter() function is useful when you want to select specific elements from a list based on a condition.

Reduce() Function

* The reduce() function reduces a list to a single value by applying a function cumulatively to the items.
* Reduce() is useful when you need to accumulate a result across multiple elements (e.g., sum, product, max, min)