Day-8 11/9/25 Lists > Ordered mutable Collections > Cour store, mixed data type. ent, sta, float, bool, list. -) defined ming, square Brackets [] 1. Creating a list in python. num = [1,2,3,4,5] fraits = ["apple", "barana", "cherry"] print (fruits) According list slements > vering incleaving

Print (fruits [0]) # 0/p; apple. -> negative incleaning Print (fruits ED) # 0/p; Cherry. Holding Elements into a list -> append (x) -- actols at end -> insert (max x) > at position -> extend (E, yJ) -> aolols multiple item updating Elements in a list ming indexing to Change value fruits [1] = "margo"

Print (fruit) # o(1): ['apple', 'mango', 'cherry']

Removing Elements from a list. -) gremore (value) - gremores the 1st occurred of a value. > pop (index) - gremoner an item at a specific index.

> del list [index] > deletes ar plement or entire list. > clear () > Empties the list. Leating over lists > ming for loop to illenate for francite in fruits: print (fruit). Vested list in python. nested_list = [[1,2,3], ["apple", "Banana"], Print [nested_list-[J[o]] + 0/p:apple Operations Concatenation - join two list ming + List Repolition - grepeat a list multiple List slicing - Six bout a position of a list. List [start; end] Print [fruits[1:3]) membership (in) - Cheeks if item exists in Dunt / capple 1 in fruits) # 0/p: True