→ Write a python program that create a list of 10 numbers between 1 and 50

→ Get length of a list without using length function

→ Sum up all the element at even positions

→ Sum up all the elements at odd positions

→ Multiply all element at every third positions

→ calculate the average of all elements in the list

➔ Get the largest elements in the list

➔ get the smallest elements from the list

➔ Write a Python program to count the number of strings from a given list of strings. if the string length is 2 or more and the first and last characters are the same return the string.
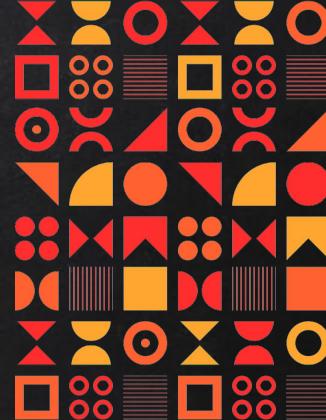
Construct a sequential list of integers ranging from one to fifteen, inclusive and display the list.

Subsequently duplicate each element within the list and also display it

Thereafter, eliminate any duplicate values, and present the transformed list.

write a python functions to add every third element within a designated list

write a python function to calculate the sum of the first, middle and last elements within a designated list. Note if you have more than one element in the middle use the average of both elements

semicolon
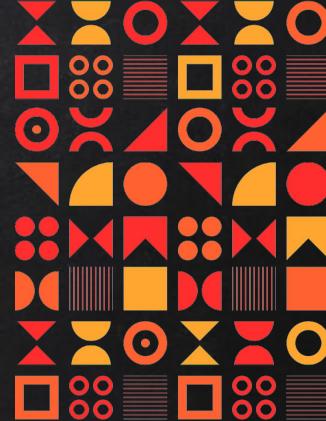
Create a Python program that collects 10 numbers from the user and stores them in a collection. Even if user input duplicates ensure that collection do not include the duplicates.

Implement a Python function named sum_collection that takes a set and returns the sum of all its elements.

Write a Python function called remove_item that takes a set and a number. If the number is present in the set, remove it and return the removed element. If not present, return None.

Write a Python function named find_intersection that accepts two sets as input and returns a new set containing elements that exist in both original sets.

➔ Write a Python program to create union of union of the two sets.

➔ Write a Python program to check if a first set is a subset of the other set.

➔ Remove all elements from first set

➔ Find the maximum and minimum values in second set.

➔ write a program to show the length of a set without using the len function

semicolon

Create an empty tuple

Add integers between 1 - 20 in the tuple

Sum of the elements at odd positions in the tuple

Sum of the elements at even positions in the tuple

Sum up the smallest and highest element in the tuple

unpack the first five elements in the tuple

semicolon

→ Create a empty dictionary

→ write a script to populate the dictionary with name and age of 10 students with each student name as key and age as the corresponding value

→ sort and display the dictionary by key

→ sort and display the dictionary by value

→ add up and display all the age in the dictionary

semicolon