

## Assignment 2 | 6th January 2021

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### **Question 1**

Write a Python program to remove duplicates from a list

### **Question 2**

Write a Python program to get the difference between the two lists

### **Question 3**

Write a Python program to get the frequency of the elements in a list

### **Question 4**

Write a Python program to compute the similarity between two lists.

**Sample data:** ["red", "orange", "green", "blue", "white"], ["black", "yellow", "green", "blue"]

**Expected Output:** Color1-Color2: ['white', 'orange', 'red']

Color2-Color1: ['black', 'yellow']

### **Question 5**

Write a Python function that takes a list of words and returns the length of the longest one

### **Question 6**

Write a Python program to count the occurrences of each word in a given sentence

**Question 7**

Write a Python program to count and display the vowels of a given text

**Question 8**

Write a Python script to generate and print a dictionary that contains a number (between 1 and n) in the form (x, x\*x)

**Question 9**

Write a Python program to combine two dictionary adding values for common keys

- `d1 = {'a': 100, 'b': 200, 'c':300}`
- `d2 = {'a': 300, 'b': 200, 'd':400}`
- Sample output: Counter({'a': 400, 'b': 400, 'd': 400, 'c': 300})

**Question 10**

Write a Python program to print all unique values in a dictionary

- Sample Data : `[{"V": "S001"}, {"V": "S002"}, {"VI": "S001"}, {"VI": "S005"}, {"VII": "S005"}, {"V": "S009"}, {"VIII": "S007"}]`
- Expected Output : Unique Values: {'S005', 'S002', 'S007', 'S001', 'S009'}

**Ans: -**



Day3 Assignment  
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