

## Assignment 2 | 6th January 2021

---

For any doubts regarding the assignment, ask questions in the [Python Essentials JAN 2021 Batch 1](#) Group in the Community.

Submit Assignments by **12th January 2021 11:59 PM.**

Assignment Submit Form: <https://forms.gle/XcR8tGx2wruNexfH9>

**Submit assignments in Appropriate Dropdowns.**

---

### 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'}

## FAQs

---

**Q. How to upload a jupyter notebook as a part of an assignment?**

- A.
  1. Click "File" option in notebook
  2. Go to "Download As" -> "Notebook(.ipynb)"
  3. Upload the downloaded .ipynb file to github and share the link in google form.

**Q. When do I submit the Assignments and how?**

- A. The assignments for the week should be submitted by the weekend i.e. Tuesday at 11:59 PM IST.  
You can use Jupyter Notebook or python files or even Google Colab to Solve your Assignments

**Q. Where do I get class links for next session?**

- A. All sessions will be Live on our Youtube Channel. Subscribe to LetsUpgrade [YouTube Channel](#).  
You'll also get an email with the link to the live session.
- B. It will be also updated in the Community Group in the pinned post.

**Q. I have some doubt, whom do I ask?**

- A. (a) Post your Queries on the community, someone will help you out.

**Q. *Sir don't have anaconda so how can I solve the assignment ?***

- A. Use Google Colab : [Click me](#)

**Q. Can we submit multiple .py or .ipynb assignment solution files for each question separately?**

- A. Solve all assignments for a day in a single notebook. Make sure you are submitting a single file.