

Step by Step Approach Don't Miss any Step it will create a Hassle for you !

Note - Make Proper Notes of Each and Everything if you don't want to forget the Things.

Python Data- Variables & Data Types

- https://drive.google.com/file/d/1V8EufmaYuzwVr5lBsWA3WRJJ10ivLKcd/view?usp=drive_link
- https://drive.google.com/file/d/1Sm3hyln7DRk2nLwuWS70OP_qiZwPhclA/view?usp=drive_link

1) Python Operators & Behaviour on Different Data-Types

- https://drive.google.com/file/d/1GGw9OI79wWMmipwBz-8Wgi5Babd5jfrT/view?usp=drive_link
- https://drive.google.com/file/d/1aOlBnWpglQTPL1l3UyoqDjNuwwAEsQUX/view?usp=drive_link

Time & Space Complexity in Python - <https://www.youtube.com/watch?v=vqSKOMsjLbc>

Functions in Python - <https://www.youtube.com/watch?v=BVfCWuca9nw> (Understand and Make Notes)

2) Python Strings -

- https://drive.google.com/file/d/1BCC18k0DiuB_7F0SzXWCRnb2wcSXGCdW/view?usp=drive_link
- https://drive.google.com/file/d/1srWy-KMDMk5PR6OUxjUi3UhFpzGUsr1z/view?usp=drive_link

Indexing in Python - <https://www.youtube.com/watch?v=XwaEo4f17LU>

3) Lists -

- https://drive.google.com/file/d/1hwXwVP6WfC5TJ5O4_0qKNTpW69vP7DTC/view?usp=drive_link
- https://drive.google.com/file/d/10cazbWtwj0cMVRfU1Ls1vtTe8tGA1wl9/view?usp=drive_link

4) Coding Questions Based on Strings & Lists -

- Before Solving Coding Questions watch the Below 4 Videos on Strings - https://www.youtube.com/watch?v=AaoqKIYCbSk&list=PLqM7alHxFySHLJWu_Euw7pdI4ec1hHTLI&index=10
- <https://www.youtube.com/watch?v=flYVzKp0q5w>

Mandatory Video -

- [Python String Methods – Part1](#)
- [Python String Methods – Part2](#)
- [Python String Methods – Part 3](#)
- [Logical Operations and Splitting in Strings](#)
- Built in Functions Strings -

<https://www.youtube.com/watch?v=9qqIn9OnPTg>

— Google Colab – <https://colab.research.google.com/>

Coding Questions on Strings(Solve all of them) - **If not able to Solve**

See the Solution but Understand from the Solution -

1. [Program to convert String to a List](#)
2. [Count and display vowels in a string](#)
3. [Python program to check the validity of a Password](#)
4. [Python program to count number of vowels using sets in given string](#)
5. [Print the initials of a name with last name in full](#)
6. [The k most frequent words from data set in Python](#)
7. [Find all close matches of input string from a list](#)
8. [Remove all duplicates words from a given sentence](#)
9. [Sort words of sentence in ascending order](#)
10. [Reverse each word in a sentence](#)
11. [Python code to print common characters of two Strings in alphabetical order](#)
12. [Python program to split and join a string](#)
13. [Python code to move spaces to front of string in single traversal](#)
14. [Run Length Encoding in Python](#)
15. [Remove all duplicates from a given string in Python](#)

Above Questions are Based on Strings - Now you have see the Below Videos for List then you have to Solve the Questions -

- https://www.youtube.com/watch?v=DHyul4lgRdE&list=PLqM7aHXFySHLJWu_Euw7pdl4ec1hHTLI&index=8
- https://www.youtube.com/watch?v=1Ej7ry6jacg&list=PLqM7aHXFySHLJWu_Euw7pdl4ec1hHTLI&index=9
- Built in Functions in List - https://www.youtube.com/watch?v=cS_4YJx5KvU

Coding Questions on Lists -

[Python program to swap two elements in a list](#)

- [Python – Swap elements in String list](#)
- [Python | Ways to find length of list](#)
- [Maximum of two numbers in Python](#)
- [Minimum of two numbers in Python](#)
- [Python | Ways to check if element exists in list](#)
- [Different ways to clear a list in Python](#)
- [Python | Reversing a List](#)
- [Python | Cloning or Copying a list](#)
- [Python | Count occurrences of an element in a list](#)
- [Python Program to find sum and average of List in Python](#)
- [Python | Sum of number digits in List](#)
- [Python | Multiply all numbers in the list](#)
- [Python program to find smallest number in a list](#)
- [Python program to find largest number in a list](#)
- [Python program to find second largest number in a list](#)
- [Python program to print even numbers in a list](#)
- [Python program to print odd numbers in a List](#)
- [Python program to print all even numbers in a range](#)
- [Python program to print all odd numbers in a range](#)
- [Python program to count Even and Odd numbers in a List](#)
- [Python program to print positive numbers in a list](#)
- [Python program to print negative numbers in a list](#)
- [Python program to print all positive numbers in a range](#)
- [Python program to print all negative numbers in a range](#)
- [Python program to count positive and negative numbers in a list](#)
- [Remove multiple elements from a list in Python](#)
- [Python | Remove empty tuples from a list](#)
- [Python | Program to print duplicates from a list of integers](#)

Time & Space Complexity in Python - Watch Again

<https://www.youtube.com/watch?v=vgSKOMsjLbc>

— How to create Functions in Python to Solve Your Coding Problems

<https://www.youtube.com/watch?v=-Bkupx9gX0o>

Understand the Above Video you can solve each and every Python Question by Creating a User Defined Function .

Q- Write a Function to Check the Prime Number in a Given Range ?

— https://www.youtube.com/watch?v=yUaqdaZ_QJk

— Dictionary In Python - Read this Complete Blog -

https://www.w3schools.com/python/python_dictionaries.asp

— <https://www.youtube.com/watch?v=j2G68uQtOwM>

— https://www.youtube.com/watch?v=auT2elx_Fgc

Coding Questions on Dictionary -

- [Python | Sort Python Dictionaries by Key or Value](#)
- [Handling missing keys in Python dictionaries](#)
- [Python dictionary with keys having multiple inputs](#)
- [Python program to find the sum of all items in a dictionary](#)
- [Python program to find the size of a Dictionary](#)
- [Ways to sort list of dictionaries by values in Python – Using itemgetter](#)
- [Ways to sort list of dictionaries by values in Python – Using lambda function](#)
- [Python | Remove all duplicates words from a given sentence](#)
- <https://www.youtube.com/watch?v=-Z00dF3MOJ4>

- — Last Videos - <https://www.youtube.com/watch?v=PipsOUDKrVk>
- <https://www.youtube.com/watch?v=l3kCO8cVA6o>

Theory Questions For Interviews –

1. Differentiate between lists and tuples in Python.
2. What are positive and negative indices?
3. Define Pass statement in Python.
4. What are the limitations of Python?
5. Give an example of runtime errors in Python.
6. What is meant by compound data types and data structures?
7. Explain with an example what list and dictionary comprehension are.
8. Define tuple unpacking. Why is it important?
9. Differentiate between is and '=='
10. How do you differentiate between indexing and slicing?
11. Explain zip() and enumerate() function.
12. What is a default value?
13. What's the role of namespaces in Python?
14. What is Regex? List some of the important Regex functions in Python.
15. Differentiate between pass, continue and break.
16. What is the difference between range, xrange, and arange?
17. Explain the map, reduce and filter functions.
18. Explain how Python data analysis libraries are used and list some common ones.
19. List the important features of Python.

