

# Python Resources

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Beginners- GREEN

Intermediate- RED

## 1. Practise for beginners

### a) Level 1

- [Hello World!](#)
- [Taking Input](#)
- [Division](#)
- [Arithmetic Operators](#)
- [Find a string](#)
- [sWAP cASE](#)
- [Designer Door Mat](#)
- [Write a function](#)
- [String Split and Join](#)
- [Fizz Buzz](#)
- [Palindromes](#)
- [Armstrong Number](#)

### b) Level 2

- [Leap year](#)
- [Word with maximum frequency](#)
- [Print duplicates](#)
- [Find the strongest neighbour](#)
- [possible combinations](#)
- [Remove all the occurrences](#)
- [Subarray with given sum](#)
- [Balanced brackets](#)

## 2. Language Resources

- Python Basics:
  - ❖ [GoMyNo's Python Basics](#)
  - ❖ [Free code camp: Learn Python](#)
- Python OOPS Documentation:  
<https://docs.python.org/3/tutorial/classes.html>
- OOPS:  
<https://www.analyticsvidhya.com/blog/2021/05/oop-in-python-for-absolute-beginners/>
- OOPS Playlist:  
<https://www.youtube.com/playlist?list=PL-osiE80TeTsghluOgKhwIXslBldSeYtc>

## 3. OOPS

- [Theory Questions](#)
- Simple Exercise  
<https://pynative.com/python-object-oriented-programming-oop-exercise/>
- [Python Class - Exercises, Practice, Solution](#)

## 4. Data Structures

- [HackerEarth General topic-wise DSATheory DSA Tutorial](#)

String: <https://www.geeksforgeeks.org/string-data-structure/#Python>

Python Arrays: <https://www.geeksforgeeks.org/python-arrays/>

Array Practice: <https://www.geeksforgeeks.org/array-data-structure/>

Stacks in Python: <https://www.geeksforgeeks.org/stack-in-python/>

Stacks Practice: <https://www.geeksforgeeks.org/stack-data-structure/>

Queue: <https://www.geeksforgeeks.org/queue-data-structure/>

Python Dictionary: <https://www.geeksforgeeks.org/python-dictionary/>

Heaps in Python: [Heap queue \(or heapq\) in Python](#)

Heaps Practice: <https://www.geeksforgeeks.org/heap-data-structure/>

Python Library for Linked List:

<https://www.geeksforgeeks.org/python-library-for-linked-list/>

Linked Lists: <https://www.geeksforgeeks.org/data-structures/linked-list/>

Hashing in Python:

<https://www.geeksforgeeks.org/implementation-of-hashing-with-chaining-in-python/>

Hashing Practice: <https://www.geeksforgeeks.org/hashing-data-structure/>

Trees in Python: <https://www.educative.io/edpresso/binary-trees-in-python>

Trees practice: <https://www.geeksforgeeks.org/binary-tree-data-structure/>