

5 PYTHON TIPS & TRICKS YOU MUST KNOW



1. Memory



The method **getsizeof** can be used to retrieve the size of any object.

Here's an example of the same.

```
import sys
number = 100

print(sys.getsizeof(number))
#output: 28
```



2. Swapping



The easiest way to swap values without any third variable.

This is how you can do it.



```
a, b = 10, 20  
a, b = b, a
```

```
#output:  
print(a) # 20  
print(b) # 10
```



3. Anagrams



An anagram is a play on words created by rearranging the letters of the original word to make a new word or phrase.

we can sort the string values using **sorted** method, which does not modify the original string.

Here's an example of the same.

```
def anagram(first, second):  
    return sorted(first) ==  
    sorted(second)  
  
res = anagram('heart', 'earth')  
print(res) #True
```



4. Shuffle



In order to shuffle the elements of a list, **shuffle** method from **random** module can be used.

Check out the implementation of the same.

```
from random import shuffle

my_list = [7, 23, 9, 35]
shuffle(my_list)

print(my_list) #[35, 7, 9, 23]
```



5. Palindrome



A palindrome is a word, number, phrase, or other sequences of characters that reads the same backward as forward.

The code snippet will check for palindrome strings.

```
def check_palindrome(value):  
    return value == value[::-1]  
  
res = check_palindrome('level')  
print(res) #True
```



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