

PYTHON

TIPS AND TRICKS

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1> In place swapping of two numbers.

```
x, y = 10, 20
```

```
print(x, y)
```

```
x, y = y, x
```

```
print(x, y)
```

output :

10 20

20 10

2> Reversing a string in python.

```
a = "Pythonhub"
```

```
print("Reverse is", a[::-1])
```

output :

Reverse is buhnohtyp

3> Create a single string from all elements in list.

```
a = ["python", "for", "coding"]
```

```
print(" ".join(a))
```

output :

Python for coding.

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7). Return Multiple Values from functions.

```
def x():  
    return 1, 2, 3, 4
```

```
a, b, c, d = x()
```

```
print(a, b, c, d)
```

output:

1 2 3 4

8). Find the most frequent value in a list.

```
test = [1, 2, 3, 4, 2, 3, 2, 1, 4, 4, 4]
```

```
print(max(set(test), key = test.count))
```

output:

4

9). Check the memory usage of an object.

```
import sys
```

```
x = 1
```

```
print(sys.getsizeof(x))
```

output:

28

10). Print string N times.

```
n = 2
```

```
a = "pythonhub"
```

```
print(a * n)
```

output:

Pythonhub Pythonhub

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4). chaining of comparison operators..

n=10

```
result = 1 < n < 20
```

```
print(result)
```

```
result = 1 > n <= 9
```

```
print(result)
```

output:

True

False

5). Print file path of Imported Modules

```
import os
```

```
import socket
```

```
print(os)
```

```
print(socket)
```

output:

<module 'os' from '/usr/lib/python3.5/os.py'>

<module 'socket' from '/usr/lib/python3.5/socket.py'>

6). Use of Enums in Python.

```
class MyName:
```

```
    Ram, Krishna, Shankar = range(3)
```

```
print(MyName.Ram)
```

```
print(MyName.Krishna)
```

```
print(MyName.Shankar)
```

output:

2

1.0000000000000000

2

16). checking if two words are anagrams.

```
from collections import Counter  
def is-anagram (str1, str2):  
    return Counter(str1) == Counter(str2)
```

```
# or without having to import anything  
def is-anagram (str1, str2):  
    return sorted(str1) == sorted(str2)
```

```
print(is-anagram ('geek', 'eegk'))  
print(is-anagram ('geek', 'peek'))
```

output :

True

false

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