



TutorialDeep: 20 Python Useful Examples with Result

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1. Check Data Type of Integer Variable in Python

```
x=10;  
print(type(x));
```

Result

<class 'int'>

2. Get Variable Type of Float Variable in Python

```
x=2.73;  
print(type(x));
```

Result

<class 'float'>

3. Determine Data Type of String Variable in Python

```
x="Feroz";  
print(type(x));
```

Result

<class 'str'>

4. For Loop Over Python List Variable and Print All Elements

```
myList = ['Ram', 'Shyam', 10, 'Bilal', 13.2, 'Feroz'];  
for x in myList:  
    print(x);
```

Result

```
Ram  
Shyam  
10  
Bilal  
13.2  
Feroz
```

5. While Loop Through Python List Variable to Print All Element

```
myList = ['Ram', 'Shyam', 10, 'Bilal', 13.2, 'Feroz'];  
x=0;  
while x < len(myList):  
    print(myList[x])  
    x += 1
```

Result

```
Ram  
Shyam  
10  
Bilal  
13.2  
Feroz
```

6. Loop Through Dictionary Elements and Print Keys in Python

```
myDict = {  
    "one": "Ram",  
    "two": "Shyam",  
    "three": 10,  
    "fore": "Bilal",  
    "five": 13.2,  
    "six": "Feroz"  
};  
for key, value in myDict.items():  
    print(key)
```

Result

```
one  
two  
three  
fore  
five  
six
```

7. Concatenate Two List Variables in Python

```
myList1 = ['Dhoni', 'Virat', 'Rohit', 'Yuvraj'];  
myList2 = ['Chris Gayle', 'Carlos Brathwaite'];  
myNewList = myList1 + myList2;  
print(myNewList);
```

Result

```
['Dhoni', 'Virat', 'Rohit', 'Yuvraj', 'Chris Gayle', 'Carlos Brathwaite']
```

8. Convert Float to Integer Using `int()` in Python

```
myFloat = 10.8;  
print(int(myFloat));
```

Result

10

9. Limit Float to Two Decimal Places Using `Format()` Function in Python

```
myFloat = 10.887555;  
print(format(myFloat, '.2f'));
```

Result

10.89

10. Access Single String Character By Index in Python

```
str = "Hello World!"  
print(str[1]);
```

Result

e

11. Remove All Whitespace From String Using `replace()` in Python

```
myStr = 'How are you today?';  
print(myStr.replace(" ", ""));
```

Result

Howareyoutoday?

12. How to Find Size of List Items in python

```
myList = ['Dhammo', 'Bahubali', 20, 'Katappa', 24.5, 'Suresh'];  
print(len(myList));
```

Result

6

13. How to Combine Two String Variables in Python

```
Str1 = "How are you?";  
Str2 = "I am fine thank you.";  
print(Str1 + Str2);
```

Result

How are you?I am fine thank you.

14. Convert All String to Lowercase Using Python

```
myStr = "How Are You TODAY?";  
print(myStr.lower());
```

Result

how are you today?

15. How to Change String to Uppercase Characters Using Python

```
mylStr = "What are you doing here?";  
print(mylStr.upper());
```

Result

WHAT ARE YOU DOING HERE?

16. Round Float to 2 Decimal Places in Python

```
myFloat = 23.98765;  
print(round(myFloat, 2));
```

Result

23.99

17. Iterate Through Python String Characters with For Loop

```
myString = "Hello";  
for str in myString:  
    print(str);
```

Result

```
H  
e  
l  
l  
o
```

18. Get Single List Element By Index in Python

```
myList = [5, "Six", 7, "Eight", 9, "Ten"];  
print(myList[1]);
```

Result

```
Six
```

19. Python Append() to Add Element to the End of List

```
myList = [5, "Six", 7, "Eight", 9, "Ten"];  
myList.append("Three");  
print(myList);
```

Result

```
[5, 'Six', 7, 'Eight', 9, 'Ten', 'Three']
```

20. Check If List is Empty with If and len() in Python

```
myList = [];  
if len(myList)==0:  
    print("List is empty.");  
else:  
    print("List is not empty.");
```

Result

List is empty.