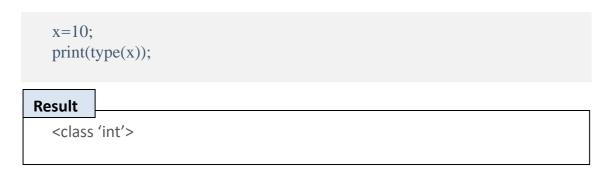


TutorialDeep: 20 Python Useful Examples with Result

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# 1. Check Data Type of Integer Variable in Python



#### 2. Get Variable Type of Float Variable in Python

x=2.73; print(type(x));		
Result <class 'float'=""></class>		

# 3. Determine Data Type of String Variable in Python

x="Feroz"; print(type(x)	);		
Result			
<class 'str'=""></class>			

### 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);
```

# 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</pre>
```

# 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)
```

# 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



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

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

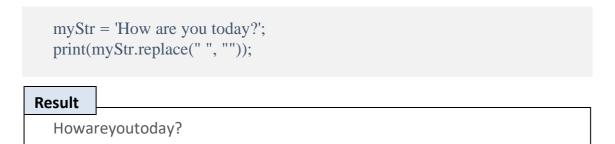
Result
10.89
```

## 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



#### 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);
```

#### 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

#### Result

List is empty.