

Basic of python

In this we will discuss . various Datatypes in python . variable . variable assignment . print formatting

Various Data types in Python

Numbers

Python Tutorial

Welcome to python Tutorial

. Datatype

```
In [10]: 1+1
```

```
Out[10]: 2
```

```
In [11]: 2*2
```

```
Out[11]: 4
```

```
In [12]: 10/2
```

```
Out[12]: 5.0
```

```
In [13]: 10%2
```

```
Out[13]: 0
```

```
In [14]: 10*'string'
```

```
Out[14]: 'stringstringstringstringstringstringstringstringstringstring'
```

```
In [15]: type(1)
```

```
Out[15]: int
```

```
In [16]: type(10.0)
```

```
Out[16]: float
```

```
In [17]: type('hello')
```

```
Out[17]: str
```

```
In [35]: type('True')
```

Out[35]: str

In [36]: type(True)

Out[36]: bool

In []: *## check the data types*

In [20]: type(True)

Out[20]: bool

In [21]: type(1)

Out[21]: int

In [22]: type('hello')

Out[22]: str

In []:

String

In [23]: "Hello"

Out[23]: 'Hello'

In [24]: desh deepak

```
Input In [24]
desh deepak
  ^
SyntaxError: invalid syntax
```

In [25]: "desh deepak"

Out[25]: 'desh deepak'

In [26]: type("desh deepak")

Out[26]: str

variable assignment

```
In [1]: # variable assignment
# var_name=values
a=10
```

In [4]: type(a)

Out[4]: int

In [5]: a= "desh deepak"

```
In [6]: type(a)
```

```
Out[6]: str
```

```
In [7]: ## mathematical operation with variable assignment  
a=10  
b=5
```

```
In [9]: print(a*b)  
print(a/b)  
print ((a*b)+(a+b)) ## boodmas  
  
50  
2.0  
65
```

```
In [10]: ## various ways of printing  
print("hello")  
  
hello
```

```
In [23]: first_name="desh"  
last_name="deepak"
```

```
In [24]: print("my first name is {} and last name is {}".format(first_name,last_name))  
  
my first name is desh and last name is deepak
```

```
In [27]: print("my first name is {first} and last name is {last}".format(last=last_name,first=first_name))  
  
my first name is desh and last name is deepak
```

```
In [28]: len("desh deepak")
```

```
Out[28]: 11
```

```
In [34]: type(['1',2,3,4,5,6])
```

```
Out[34]: list
```

```
In [ ]:
```