

# Data types

## Numbers

Int	1234, 234, -435, 324, -42343
float	23.45, 324.543543, -32432.4324, 5.345
Complex	3+2j, 32j , 323.4j, 0j

```
In [1]: print(3 * 6)
18

In [2]: print(2 + 3.4)
5.4

In [3]: print(5 - 1)
4

In [4]: print(26.0 / 2.0)
13.0

In [5]: # BODMAS
24 + 56 - 2 * 3 / 2

Out[5]: 77.0
```

## String

```
In [6]: a = "utsav"
print(a)
a = 'utsav'
print(a)
a = """utysadvjasvdfkljsahfdsjfdlskjflds"""
print(a)
a = "Utsav"
print(a)

a = "Utsav"
print(a[0])
print(a[4])
a = 10
b = int("50")
print(a+b)

utsav
utsav
utysadvjasvdfkljsahfdsjfdlskjflds
"Utsav"
U
v
60
```

## List

```
In [7]: a = [12, 43, 43.453, "utsav", [453, 534, 'utsav'], 43]
print(a[4])

[453, 534, 'utsav']
```

## Tuple

```
In [8]: a = (12, 432, 342, "utsav", 32)
print(a[3])

utsav
```

## Dictionary

```
In [9]: '''Key: Value'''
a = {"Name": "Utsav", "Surname": "Patel", "ID": 9}
print(a.values())

dict_values(['Utsav', 'Patel', 9])
```

## Sets

```
In [10]: a = {213, 43, "Utsav", 21, 21, "Utsav"}
print(a)

{'Utsav', 21, 43, 213}

In [ ]:
```