



(1st Dec) Python data type

```
In [2]: i = 57  
i
```

```
Out[2]: 57
```

```
In [3]: type(i)
```

```
Out[3]: int
```

```
In [7]: f = 110.67  
f
```

```
Out[7]: 110.67
```

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

```
Out[6]: float
```

```
In [9]: f1 = 1e0  
f1
```

```
Out[9]: 1.0
```

```
In [10]: f2 = 1e1  
f2
```

```
Out[10]: 10.0
```

```
In [12]: type(f2)
```

```
Out[12]: float
```

```
In [13]: f3 = 2.3e3  
f3
```

```
Out[13]: 2300.0
```

```
In [14]: f4 = 5.4e5  
f4
```

```
Out[14]: 540000.0
```

```
In [16]: import keyword  
keyword.kwlist
```

```
Out[16]: ['False',  
          'None',  
          'True',  
          'and',  
          'as',  
          'assert',  
          'async',  
          'await',  
          'break',  
          'class',  
          'continue',  
          'def',  
          'del',  
          'elif',  
          'else',  
          'except',  
          'finally',  
          'for',  
          'from',  
          'global',  
          'if',  
          'import',  
          'in',  
          'is',  
          'lambda',  
          'nonlocal',  
          'not',  
          'or',  
          'pass',  
          'raise',  
          'return',  
          'try',  
          'while',  
          'with',  
          'yield']
```

```
In [17]: b = True  
b
```

```
Out[17]: True
```

```
In [18]: b = True  
b1 = False  
b + b1
```

```
Out[18]: 1
```

```
In [19]: print(b+b1)  
print(b-b1)  
print(b*b1)
```

```
1
1
0
```

```
In [20]: False/True
```

```
Out[20]: 0.0
```

```
In [21]: False // True
```

```
Out[21]: 0
```

```
In [22]: a = 1 + 2j # syntax= a + bj
a
```

```
Out[22]: (1+2j)
```

Complex

```
In [23]: c =(10 + 20j)
c
```

```
Out[23]: (10+20j)
```

```
In [24]: type(c)
```

```
Out[24]: complex
```

```
In [25]: c.real
```

```
Out[25]: 10.0
```

```
In [27]: c.imag
```

```
Out[27]: 20.0
```

```
In [28]: c1 = 30 + 4.5j
c1
```

```
Out[28]: (30+4.5j)
```

```
In [31]: c2 = 4.4 +20j
c2
```

```
Out[31]: (4.4+20j)
```

```
In [32]: c1+c2
```

```
Out[32]: (34.4+24.5j)
```

string

```
In [35]: s = 'vaishnavi'  
s
```

```
Out[35]: 'vaishnavi'
```

```
In [37]: type(s)
```

```
Out[37]: str
```

```
In [38]: s
```

```
Out[38]: 'vaishnavi'
```

```
In [39]: s[0]
```

```
Out[39]: 'v'
```

```
In [40]: s[-3]
```

```
Out[40]: 'a'
```

```
In [41]: s
```

```
Out[41]: 'vaishnavi'
```

```
In [46]: s[2:6]
```

```
Out[46]: 'ishn'
```

```
In [52]: s[2:8:4] #forward indexing
```

```
Out[52]: 'ia'
```

```
In [53]: s[-7]
```

```
Out[53]: 'i'
```

```
In [57]: s[-1:-6:-1]
```

```
Out[57]: 'ivanh'
```

```
In [59]: movie = "The film introduces the story of Rocky, a boy born into poverty who,  
movie
```

Out[59]: "The film introduces the story of Rocky, a boy born into poverty who, driven by his dying mother's wish to be the richest and most powerful man, rises to become a high-ranking mercenary in Mumbai. His quest for power leads him to infiltrate the Kolar Gold Fields (KGF), a tyrannical slave labor camp ruled by the ruthless Suryavardhan and his son, Garuda, with the ultimate goal of assassinating Garuda."

Python Data Type Completed Today

In []:

In []:

In []: