

```
In [4]: a = 5.7  
        type(a)
```

Out[4]: float

```
In [5]: import sys  
        sys.version
```

Out[5]: '3.9.13 (main, Aug 25 2022, 23:51:50) [MSC v.1916 64 bit (AMD64)]'

```
In [6]: import sys  
        sys.version
```

Out[6]: '3.9.13 (main, Aug 25 2022, 23:51:50) [MSC v.1916 64 bit (AMD64)]'

```
In [7]: a = 2  
        type(a)
```

Out[7]: int

```
In [8]: b = 9223372036  
        print(b)
```

9223372036

```
In [9]: pi = 3.14  
        print(pi)
```

3.14

```
In [15]: x = 0  
         x
```

Out[15]: 0

```
In [10]: c = 'A'  
         print(c)
```

A

```
In [11]: name = 'John Doe'  
         print(name)
```

John Doe

```
In [12]: q = True  
         print(q)
```

True

```
In [13]: x = None  
print(x)
```

None

```
In [16]: cash123 = 10  
cash123
```

Out[16]: 10

```
In [17]: 123cash = 10  
123cash
```

```
File "C:\Users\USER\AppData\Local\Temp\ipykernel_7592\2567225020.py", line  
1  
    123cash = 10  
      ^  
SyntaxError: invalid syntax
```

```
In [18]: ca$h = 20  
ca$h
```

```
File "C:\Users\USER\AppData\Local\Temp\ipykernel_7592\1112431759.py", line  
1  
    ca$h = 20  
      ^  
SyntaxError: invalid syntax
```

```
In [19]: CASH = 20  
CASH
```

Out[19]: 20

```
In [20]: CASH1 = 30  
CASH1
```

Out[20]: 30

```
In [21]: sum123 = 20  
sum123
```

Out[21]: 20

```
In [22]: Abcde = 20  
Abcde
```

Out[22]: 20

```
In [23]: new = 30
NEW
```

```
-----
NameError                                Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_7592\121539162.py in <module>
      1 new = 30
----> 2 NEW

NameError: name 'NEW' is not defined
```

```
In [24]: Total5 = 30
TOTAL
```

```
-----
NameError                                Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_7592\2288012733.py in <module>
      1 Total5 = 30
----> 2 TOTAL

NameError: name 'TOTAL' is not defined
```

```
In [28]: def = 4.6
def
```

```
File "C:\Users\USER\AppData\Local\Temp\ipykernel_7592\1737738290.py", line
1
    def = 4.6
      ^
SyntaxError: invalid syntax
```

```
In [26]: IF = 780
IF
```

```
Out[26]: 780
```

```
In [29]: if = 780
if
```

```
File "C:\Users\USER\AppData\Local\Temp\ipykernel_7592\1979711427.py", line
1
    if = 780
      ^
SyntaxError: invalid syntax
```



```
In [36]: a = True
a
```

Out[36]: True

```
In [37]: True = a
True
```

```
File "C:\Users\USER\AppData\Local\Temp\ipykernel_7592\202230853.py", line 1
    True = a
    ^
SyntaxError: cannot assign to True
```

```
In [41]: b = none
b
```

```
-----
NameError                                Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_7592\1401962423.py in <module>
----> 1 b = none
      2 b

NameError: name 'none' is not defined
```

```
In [42]: c = false
c
```

```
-----
NameError                                Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_7592\3800059345.py in <module>
----> 1 c = false
      2 c

NameError: name 'false' is not defined
```

```
In [43]: import keyword  
keyword.kwlist
```

```
Out[43]: ['False',  
          'None',  
          'True',  
          '__peg_parser__',  
          '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 [45]: import pandas as pd
```

```
In [46]: df = pd.DataFrame(keyword.kwlist)
df
```

Out[46]:

0

0	False
1	None
2	True
3	__peg_parser__
4	and
5	as
6	assert
7	async
8	await
9	break
10	class
11	continue
12	def
13	del
14	elif
15	else
16	except
17	finally
18	for
19	from
20	global
21	if
22	import
23	in
24	is
25	lambda
26	nonlocal
27	not
28	or
29	pass
30	raise
31	return
32	try
33	while
34	with
35	yield


```
In [47]: a = 10  
print(a)
```

10

```
In [48]: id(a)
```

Out[48]: 2580157131344

```
In [49]: b = 10  
id(b)
```

Out[49]: 2580157131344

```
In [50]: c = 20  
id(c)
```

Out[50]: 2580157131664

```
In [51]: a = 10  
b = 10  
id(a)
```

Out[51]: 2580157131344

```
In [52]: a = 10  
a  
id(a)
```

Out[52]: 2580157131344

```
In [ ]:
```