```
# Python Number:
#Interger
#floot Number
# Complex Number
#0B as a Binary number prefix
#00 as a Octal number prefix
#0X as a Headecimal number prefix


# Number type converstion:
#;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;#
value=100
print(type(value))
print(isinstance(value,int))
print(isinstance(value,float))
print(isinstance(value,complex))
```

```
<class 'int'>
True
False
False
```

```
value=100.24
print(type(value))
print(isinstance(value,int))
print(isinstance(value,float))
print(isinstance(value,complex))
```

```
<class 'float'>
False
True
False
```

```
value=50+6j
print(type(value))
print(isinstance(value,int))
print(isinstance(value,float))
print(isinstance(value,complex))
```

```
<class 'complex'>
False
False
True
```

```
print(0B1101)
print(0xab)
print(0o23)
```

```
13
171
19
```

```
print(10+.41)
```

```
10.41
```

```
a=10
print(float(a))
print(int(a))
```

```
10.0
10
```

```
#python fraction
#import fraction
from fractions import fraction as f
print(f(1.5))
```

```
---------------------------------------------------------------------------
ImportError                               Traceback (most recent call last)
<ipython-input-18-3b0f6769bc70> in <module>()
----> 1 from fractions import fraction as f
      2 print(f(1.5))

ImportError: cannot import name 'fraction'

---------------------------------------------------------------------------
NOTE: If your import is failing due to a missing package, you can
manually install dependencies using either !pip or !apt.

To view examples of installing some common dependencies, click the
"Open Examples" button below.
---------------------------------------------------------------------------
```

OPEN EXAMPLES SEARCH STACK OVERFLOW

```
#Python in Tuples:
 tuple=()
print(tuple)
```

```
()
```

```
tuple=(1,2,3,4,5,6,7,"chandan","anky")
print(tuple)
```

```
(1, 2, 3, 4, 5, 6, 7, 'chandan', 'anky')
```

```
tuple=(1,2,3,4,5,6,7,"chandan","anky",["ram",123,])
print(tuple)
```

```
(1, 2, 3, 4, 5, 6, 7, 'chandan', 'anky', ['ram', 123])
```

```
tuple=(1,2,3,4,5,6,7,"chandan","anky",["ram",123,]*4)
print(tuple)
for word in tuple:
  print("word is----",word)
```

```
(1, 2, 3, 4, 5, 6, 7, 'chandan', 'anky', ['ram', 123, 'ram', 123, 'ram', 123, 'ram', 1
word is---- 1
word is---- 2
word is---- 3
word is---- 4
word is---- 5
word is---- 6
word is---- 7
word is---- chandan
word is---- anky
word is---- ['ram', 123, 'ram', 123, 'ram', 123, 'ram', 123]
```

```
tuple=(55,6,5,21,555,22,5,4,5,88,55,44,5,55,755)
print(max(tuple))
print(min(tuple))
print(sorted(tuple))
print(len(tuple))
print(slice(tuple))
```

```
755
4
[4, 5, 5, 5, 5, 6, 21, 22, 44, 55, 55, 55, 88, 555, 755]
15
slice(None, (55, 6, 5, 21, 555, 22, 5, 4, 5, 88, 55, 44, 5, 55, 755), None)
```

```
tuple=(55,6,5,21,555,22,5,4,5,,88,55,44,5,55,755)
print(max.tuple)
```

```
  File "<ipython-input-33-f205c7996e92>", line 1
    tuple=(55,6,5,21,555,22,5,4,5,,88,55,44,5,55,755)
                                  ^
SyntaxError: invalid syntax
```

SEARCH STACK OVERFLOW

```
# Python String:
a="welcome"
print(a)
```

```
welcome
```

```
a="language"
print(a[-1])
print(a[-5])
print(a[5])
print(a[3])
print(a[1:3])
print(a[-1:-6])
print(a[1:7])
```

```
    e
```

```
A="welcome"
B="to python "
print(A+B)
print((A+B)*4)
```

```
welcometo python
welcometo python welcometo python welcometo python welcometo python
```