

Python 3.8.2 (tags/v3.8.2:7b3ab59, Feb 25 2020, 22:45:29) [MSC v.1916 32 bit (Intel)] on win32

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```
>>> lang = ['c', 'c++', 'python', 'java', 'js', 'ruby']
```

```
>>> print(lang)
```

```
['c', 'c++', 'python', 'java', 'js', 'ruby']
```

```
>>> lang.pop()
```

```
'ruby'
```

```
>>> print(lang)
```

```
['c', 'c++', 'python', 'java', 'js']
```

```
>>> lang.pop(1)
```

```
'c++'
```

```
>>> print(lang)
```

```
['c', 'python', 'java', 'js']
```

```
>>> lang.remove('java')
```

```
>>> print(lang)
```

```
['c', 'python', 'js']
```

```
>>> lang =
```

SyntaxError: invalid syntax

```
>>> lang = ['c', 'c++', 'python', 'java', 'js', 'ruby', 'c']
```

SyntaxError: unexpected indent

```
>>> lang = ['c', 'c++', 'python', 'java', 'js', 'ruby']
```

```
>>> lang.remove('c')
```

```
>>> print(lang)
```

```
['c++', 'python', 'java', 'js', 'ruby']
```

```
>>> lang = ['c', 'c++', 'python', 'java', 'js', 'ruby', 'c']
```

```
>>> lang.remove('c')
```

```
>>> print(lang)
```

```
['c++', 'python', 'java', 'js', 'ruby', 'c']
```

```
>>> tup = ('c', 'c++', 120)
```

```
>>> print(tup)
```

```
('c', 'c++', 120)
```

```
>>> tup[1]
```

```
'c++'
```

```
>>> tup[1] = 'pearl'
```

Traceback (most recent call last):

File "<pyshell#19>", line 1, in <module>

```
tup[1] = 'pearl'
```

TypeError: 'tuple' object does not support item assignment

```
>>> tup = 2, 'hello', 'world'
```

```
>>> print(tup)
```

```
(2, 'hello', 'world')
```

```
>>> a, b, c = tup
```

```
>>> print(a)
```

```
2
```

```
>>> tup2 = (1,)
```

```
>>> print(tup2)
```

```
(1,)
```

```
>>> a=10
```

```

>>> b=20
>>> b, a = a, b
>>> print(a)
20
>>> print(b)
10
>>> print(tup1)
Traceback (most recent call last):
  File "<pyshell#31>", line 1, in <module>
    print(tup1)
NameError: name 'tup1' is not defined
>>> print(tup2)
(1,)
>>> print(tup)
(2, 'hello', 'world')
>>> del tup
>>> print(tup)
Traceback (most recent call last):
  File "<pyshell#35>", line 1, in <module>
    print(tup)
NameError: name 'tup' is not defined
>>> alphabets = ('a', 'e', 'b', 'c', 'e', 'a', 'd')
>>> alphabets.count('e')
2
>>> alphabets.index('e')
1
>>> tup = (55, 55.0)
>>> tup.count(55)
2
>>> phone = {'shivank': 89047598345, 'john' : 3189464334, 'alex' : 349876534,
'bob' : 234743348}
>>> print(phone)
{'shivank': 89047598345, 'john': 3189464334, 'alex': 349876534, 'bob': 234743348}
>>> phone = {'shivank': 89047598345, 'john' : 3189464334, 'alex' : 349876534,
'bob' : 234743348, 'shivank' : 90000000}
>>> print(phone)
{'shivank': 90000000, 'john': 3189464334, 'alex': 349876534, 'bob': 234743348}
>>> phone[1:3]
Traceback (most recent call last):
  File "<pyshell#45>", line 1, in <module>
    phone[1:3]
TypeError: unhashable type: 'slice'
>>> phone['shivank']
90000000
>>> phone['shivank'] = 1000000
>>> print(phone)
{'shivank': 1000000, 'john': 3189464334, 'alex': 349876534, 'bob': 234743348}
>>> dir(phone)
['__class__', '__contains__', '__delattr__', '__delitem__', '__dir__', '__doc__',
'__eq__', '__format__', '__ge__', '__getattribute__', '__getitem__', '__gt__',

```

```

'__hash__', '__init__', '__init_subclass__', '__iter__', '__le__', '__len__',
'__lt__', '__ne__', '__new__', '__reduce__', '__reduce_ex__', '__repr__',
'__reversed__', '__setattr__', '__setitem__', '__sizeof__', '__str__',
'__subclasshook__', 'clear', 'copy', 'fromkeys', 'get', 'items', 'keys', 'pop',
'popitem', 'setdefault', 'update', 'values']
>>> phone.keys()
dict_keys(['shivank', 'john', 'alex', 'bob'])
>>> phone.values()
dict_values([1000000, 3189464334, 349876534, 234743348])
>>> phone.items()
dict_items([('shivank', 1000000), ('john', 3189464334), ('alex', 349876534),
('bob', 234743348)])
>>> print(*phone.values())
1000000 3189464334 349876534 234743348
>>> print(*phone.values(), sep = '\n')
1000000
3189464334
349876534
234743348
>>> type(phone.items())
<class 'dict_items'>
>>> phone
{'shivank': 1000000, 'john': 3189464334, 'alex': 349876534, 'bob': 234743348}
>>> phone.update('peter': 3487645398)
SyntaxError: invalid syntax
>>> phone.update(peter= 3487645398)
>>> print(phone)
{'shivank': 1000000, 'john': 3189464334, 'alex': 349876534, 'bob': 234743348,
'peter': 3487645398}
>>> phone.update('john' =999999999)
SyntaxError: expression cannot contain assignment, perhaps you meant "=="?
>>> phone.update(john =999999999)
>>> print(phone)
{'shivank': 1000000, 'john': 999999999, 'alex': 349876534, 'bob': 234743348,
'peter': 3487645398}
>>> phone.update({'hello' : 83789348434, 'sam':34678436})
>>> print(phone)
{'shivank': 1000000, 'john': 999999999, 'alex': 349876534, 'bob': 234743348,
'peter': 3487645398, 'hello': 83789348434, 'sam': 34678436}
>>> phone.pop('abcd')
Traceback (most recent call last):
  File "<pyshell#65>", line 1, in <module>
    phone.pop('abcd')
KeyError: 'abcd'
>>> phone.pop('abcd', 'key not available')
'key not available'
>>> phone.pop('shivank')
1000000
>>> print(phone)
{'john': 999999999, 'alex': 349876534, 'bob': 234743348, 'peter': 3487645398,

```

```

'hello': 83789348434, 'sam': 34678436}
>>> print(dir(phone)[-11:])
['clear', 'copy', 'fromkeys', 'get', 'items', 'keys', 'pop', 'popitem',
'setdefault', 'update', 'values']
>>> phone.get('alex')
349876534
>>>
>>>
>>>
>>>
>>> lang = ['c', 'c++', 'python', 'java', 'js', 'ruby']
>>> print(lang)
['c', 'c++', 'python', 'java', 'js', 'ruby']
>>> 'python' in lang
True
>>> 'bash' in lang
False
>>> 'python' not in lang
False
>>> 'bash' not in lang
True
>>> x = 5
>>> type(x) is int
True
>>> type(x) is not int
False
>>>
===== RESTART:
C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
=====
5 is greater than 3
>>>
===== RESTART:
C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
=====
1 is not greater than 3
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
adult
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
Enter the age : 16
teenager
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
Enter the age : 11
Traceback (most recent call last):
  File "C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py", line 3,
in <module>

```

```

    if(age<10):
TypeError: '<' not supported between instances of 'str' and 'int'
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
Enter your name :
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
Enter your name :
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
Enter your name : shivank
name : SHIVANK
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
c
c++
python
java
js
ruby
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
banana
apple
oranges
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
1
11
21
31
41
51
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
10
20
30
40
50
60
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
10    20    30    40    50    60
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
156
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
156

```

```
156
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
[51, 41, 31, 21, 11, 1]
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
[51, 31, 11]
>>> print(* range(10))
0 1 2 3 4 5 6 7 8 9
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
0
1
2
3
4
5
6
7
8
9
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
2
3
4
5
6
7
8
9
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
2
4
6
8
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
hello
hello
hello
hello
hello
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
hello 0
hello 1
```

```
hello 2
hello 3
hello 4
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
hello 0
hello 1
hello 2
hello 3
hello 4
4
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
hello 0
hello 1
hello 2
hello 3
hello 4
hello 5
hello 6
hello 7
hello 8
hello 9
9
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
hello 0
hello 1
hello 2
hello 3
hello 4
hello 5
hello 6
hello 7
hello 8
hello 9
ele : 9
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
hello 1
hello 2
hello 3
hello 4
>>>
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
hello 1
hello 2
hello 3
hello 4
hello 5
```

```
hello 6
hello 7
hello 8
hello 9
hello 10
```

```
>>>
```

```
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
```

```
hello 1
hello 2
hello 3
hello 4
hello 5
hello 6
hello 7
hello 8
hello 9
hello 10
```

```
>>>
```

```
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
```

```
hello 1
hello 2
hello 3
hello 5
hello 6
hello 7
hello 8
hello 9
hello 10
```

```
>>>
```

```
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py
```

```
c
c
+
+
p
y
t
h
o
n
j
a
v
a
j
s
r
u
b
y
```



```
>>>  
= RESTART: C:/Users/KIIT/AppData/Local/Programs/Python/Python38-32/ifelse.py  
p  
y  
t  
h  
o  
n  
c  
c  
+  
+  
p  
y  
t  
h  
o  
n  
j  
a  
v  
a  
j  
s  
r  
u  
b  
y  
>>>
```