

## Removing empty List from a List

```
In [ ]: list0 = [1,2,3,4,5,6,7,[],[],[1],[], "if", "break", ""]
result0 = []
emptylists = []
for x in list0:
    if type(x) == list:
        if len(x) == 1:
            result0.append(x)
        else:
            emptylists.append(x)
    else:
        result0.append(x)

print("Non_Empty = ", result0, "\nEmpty lists = " , emptylists )
```

```
Non_Empty = [1, 2, 3, 4, 5, 6, 7, [1], 'if', 'break', '']
Empty lists = [[], [], []]
```

```
In [ ]: list1 = [1,2,3,4,5,6,7,[],[], "if", "break", ""]
result1 = [x for x in list1]
print(result1)

[1, 2, 3, 4, 5, 6, 7, [], [], 'if', 'break', '']
```

```
In [ ]: list2 = [1,2,3,4,5,6,7,[],[], "if", "break", ""]
result2 = [x for x in list2 if x]
print(result2) # empty string will not print

[1, 2, 3, 4, 5, 6, 7, 'if', 'break']
```

```
In [ ]: list2 = [1,2,3,4,5,6,7,[],[], "if", "break", ""]
result2 = [x for x in list2 if x != []]
print(result2) # empty string will be printed

[1, 2, 3, 4, 5, 6, 7, 'if', 'break', '']
```

```
In [ ]: list2 = [1,2,3,4,5,6,7,[],[], "if", "break", ""]
result2 = [x for x in list2 if x == []]
print(result2) # just empty lists will be printed

[[], []]
```

```
In [ ]: # Using Filter Function
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```
In [ ]: list3 = [1,2,3,4,5,6,7,[],[], "if", "break", ""]
# list(filter(callable , iterable))
result3 = list(filter(None , list3)) # Will remove empty string too
result3
```

```
Out[ ]: [1, 2, 3, 4, 5, 6, 7, 'if', 'break']
```

```
In [ ]: list3 = [1,2,3,4,5,6,7,[],[], "if", "break", ""]
# list(filter(callable , iterable))
result3 = list(filter(lambda x : x , list3)) # Will remove empty string too
result3
```

```
Out[ ]: [1, 2, 3, 4, 5, 6, 7, 'if', 'break']
```

```
In [ ]: list3 = [1,2,3,4,5,6,7,[],[],"if","break", ""]  
# list(filter(callable , iterable))  
result3 = list(filter(lambda x : x != [] , list3)) # Will not remove empty  
result3
```

```
Out[ ]: [1, 2, 3, 4, 5, 6, 7, 'if', 'break', '']
```

```
In [ ]: list3 = [1,2,3,4,5,6,7,[],[],"if","break", ""]  
# list(filter(callable , iterable))  
result3 = list(filter(lambda x : x == [] , list3)) # Will print only empty  
result3
```

```
Out[ ]: [[], []]
```

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In [ ]:
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In [ ]:
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