



# How to Remove Duplicates From a Python List

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Learn how to remove duplicates from a List in Python.

## Example

Remove any duplicates from a List:

```
mylist = ["a", "b", "a", "c", "c"]  
mylist = list(dict.fromkeys(mylist))  
print(mylist)
```

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## Example Explained

First we have a List that contains duplicates:

### A List with Duplicates

```
mylist = ["a", "b", "a", "c", "c"]  
mylist = list(dict.fromkeys(mylist))  
print(mylist)
```

Create a dictionary, using the List items as keys. This will automatically remove any duplicates because dictionaries cannot have duplicate keys.

## Create a Dictionary

```
mylist = ["a", "b", "a", "c", "c"]  
mylist = list( dict.fromkeys(mylist) )  
print(mylist)
```

Then, convert the dictionary back into a list:

## Convert Into a List

```
mylist = ["a", "b", "a", "c", "c"]  
mylist = list( dict.fromkeys(mylist) )  
print(mylist)
```

Now we have a List without any duplicates, and it has the same order as the original List.

Print the List to demonstrate the result

## Print the List

```
mylist = ["a", "b", "a", "c", "c"]  
mylist = list(dict.fromkeys(mylist))  
print(mylist)
```

---

## Create a Function

If you like to have a function where you can send your lists, and get them back without duplicates, you can create a function and insert the code from the example above.

### Example

```
def my_function(x):  
    return list(dict.fromkeys(x))  
  
mylist = my_function(["a", "b", "a", "c", "c"])  
  
print(mylist)
```

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## Example Explained

Create a function that takes a List as an argument.

### Create a Function

```
def my_function(x):  
    return list(dict.fromkeys(x))  
  
mylist = my_function(["a", "b", "a", "c", "c"])  
  
print(mylist)
```

Create a dictionary, using this List items as keys.

### Create a Dictionary

```
def my_function(x):  
    return list( dict.fromkeys(x) )  
  
mylist = my_function(["a", "b", "a", "c", "c"])  
  
print(mylist)
```

Convert the dictionary into a list.

### Convert Into a List

```
def my_function(x):  
    return list(dict.fromkeys(x) )  
  
mylist = my_function(["a", "b", "a", "c", "c"])  
  
print(mylist)
```

Return the list

## Return List

```
def my_function(x):  
    return list(dict.fromkeys(x))  
  
mylist = my_function(["a", "b", "a", "c", "c"])  
  
print(mylist)
```

Call the function, with a list as a parameter:

## Call the Function

```
def my_function(x):  
    return list(dict.fromkeys(x))  
  
mylist = my_function(["a", "b", "a", "c", "c"])  
  
print(mylist)
```

Print the result:

## Print the Result

```
def my_function(x):  
    return list(dict.fromkeys(x))  
  
mylist = my_function(["a", "b", "a", "c", "c"])
```

```
print(mylist)
```

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