

List Methods (Functions)

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Python List Methods

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List Methods

Python has a set of built-in methods that you can use on lists.

Method	Description
<u>append()</u>	Adds an element at the end of the list
<u>clear()</u>	Removes all the elements from the list
<u>copy()</u>	Returns a copy of the list
<u>count()</u>	Returns the number of elements with the specified value
<u>extend()</u>	Add the elements of a list (or any iterable), to the end of the current list
<u>index()</u>	Returns the index of the first element with the specified value
<u>insert()</u>	Adds an element at the specified position
<u>pop()</u>	Removes the element at the specified position
<u>remove()</u>	Removes the item with the specified value
<u>reverse()</u>	Reverses the order of the list
<u>sort()</u>	Sorts the list



lucky_numbers	lucky_numbers[0]	lucky_numbers[1]	lucky_numbers[2]	lucky_numbers[3]	lucky_numbers[4]	lucky_numbers[5]
	4	8	15	16	23	42

friends	friends [0]	friends[1]	friends[2]	friends[3]	friends[4]
	Kevin	Karen	Jim	Oscar	Toby

lucky_numbers = [4, 8, 15, 16, 23, 42]

friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]

print(lucky_numbers)

print(friends)

#What is the output?

Extending a list by appending another list to it

```
lucky_numbers = [4, 8, 15, 16, 23, 42]
```

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
friends.extend(lucky_numbers)
```

```
print(friends) #What is the output?
```

Appending a new element to the end of a list

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
friends.append("Creed")
```

```
print(friends)
```

#What is the output?

Adding a new element to the list **in a certain position**

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
friends.insert(1, "Kelly")
```

```
print(friends)
```

#What is the output?

Removing an element from the list

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
friends.remove("Jim")
```

```
print(friends)
```

#What is the output?

Removing all elements from the list

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
friends.clear( )
```

```
print(friends)
```

#What is the output?

Removing the last item in the list

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
friends.pop( )
```

```
print(friends)
```

#What is the output?

Finding where an item is in a list

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
print(friends.index("Kevin"))
```

```
print(friends.index("Oscar"))
```

```
print(friends.index("Mike"))
```

#What is the output

Count how many duplicate items in a list

```
friends = ["Kevin", "Karen", "Jim", "Jim", "Oscar", "Toby"]
```

```
print(friends.count("Jim"))
```

#What is the output

Sorts the list in numeric or alphabetical

```
lucky_numbers = [4, 8, 15, 16, 23, 42]
```

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
lucky_numbers.sort( )
```

```
friends.sort( )
```

```
print(lucky_numbers)
```

```
print(friends)
```

#What is the output

Reverse the list

```
lucky_numbers = [4, 8, 15, 16, 23, 42]
```

```
lucky_numbers.reverse( )
```

```
print(lucky_numbers)
```

#What is the output

Create another list by copying an existing list

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
friends2 = friends.copy( )
```

```
print(friends2)
```

#What is the output