List Methods (Functions)

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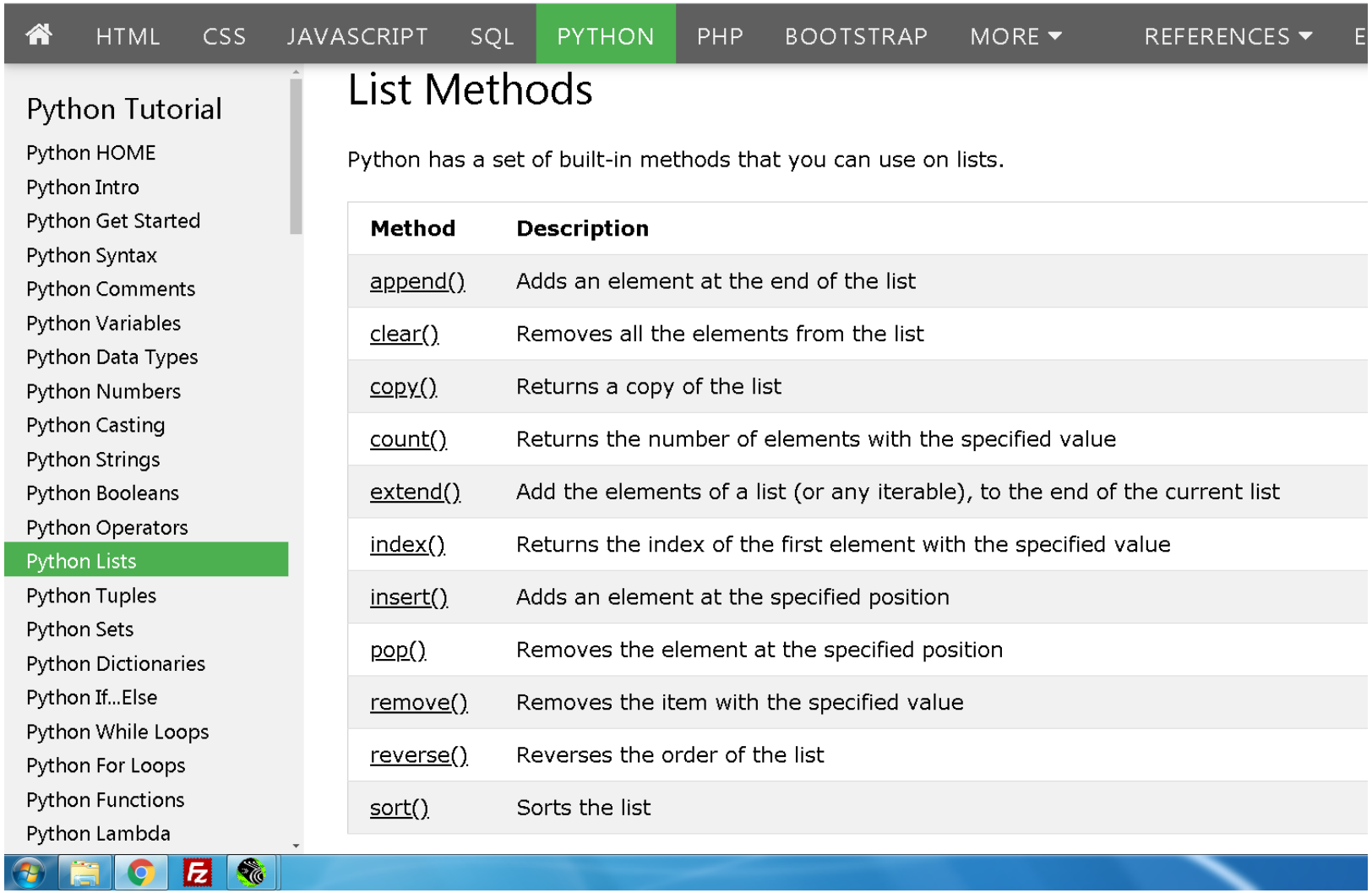
Python List Methods



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
```