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List Methods In Python

.append(element): Adds an element to the end of the list.



```
1 fruits = ['apple', 'banana', 'cherry']  
2 fruits.append('orange')  
3 print(fruits)  
4 # Output: ['apple', 'banana', 'cherry', 'orange']
```

.insert(index, element): Inserts an element at the specified index.



```
1 fruits = ['apple', 'banana', 'cherry']  
2 fruits.insert(1, 'orange')  
3 print(fruits)  
4 # Output: ['apple', 'orange', 'banana', 'cherry']
```

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.extend(iterable): Adds all elements from an iterable to the end of the list.




```
1 fruits = ['apple', 'banana']
2 more_fruits = ['cherry', 'orange']
3 fruits.extend(more_fruits)
4 print(fruits)
5 # Output: ['apple', 'banana', 'cherry', 'orange']
```

.remove(element): Removes the first occurrence of the specified element from the list



```
1 fruits = ['apple', 'banana', 'cherry']
2 fruits.remove('banana')
3 print(fruits) # Output: ['apple', 'cherry']
```

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.pop(index): Removes and returns the element at the specified index. If no index is provided, it removes and returns the last element.



```
1 fruits = ['apple', 'banana', 'cherry']
2 removed_fruit = fruits.pop(1)
3 print(fruits) # Output: ['apple', 'cherry']
4 print(removed_fruit) # Output: 'banana'
```

.clear(): Removes all elements from the list.



```
1 fruits = ['apple', 'banana', 'cherry']
2 fruits.clear()
3 print(fruits) # Output: []
```



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.index(element): Returns the index of the first occurrence of the specified element in the list.




```
1 fruits = ['apple', 'banana', 'cherry']
2 index = fruits.index('banana')
3 print(index) # Output: 1
```

.sort(): Sorts the list in ascending order.



```
1 numbers = [5, 2, 8, 1, 6]
2 numbers.sort()
3 print(numbers) # Output: [1, 2, 5, 6, 8]
```

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.reverse(): Reverses the order of the elements in the list.



```
1 fruits = ['apple', 'banana', 'cherry']
2 fruits.reverse()
3 print(fruits)
4 # Output: ['cherry', 'banana', 'apple']
```

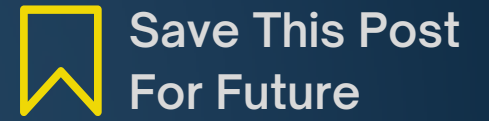
.copy(): Returns a shallow copy of the list.



```
1 fruits = ['apple', 'banana', 'cherry']
2 fruits_copy = fruits.copy()
3 print(fruits_copy)
4 # Output: ['apple', 'banana', 'cherry']
```



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.count(element): Returns the number of times the specified element appears in the list.



```
1 fruits = ['apple', 'banana', 'cherry', 'banana']
2 count = fruits.count('banana')
3 print(count) # Output: 2
```

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