

Adding Elements to list

We can perform below operations to add elements to the list in Python.

- **append** - to add elements at the end of the list.
- **insert** - to insert an element at the index specified. All the elements from that index will be moved to right side.
- **extend** - to extend the list by appending elements from other list.
- We can also append the list using **+**

```
l = [1, 2, 3, 4]
```

```
l.append?
```

```
Docstring: L.append(object) -> None -- append object to end
Type:      builtin_function_or_method
```

```
l.append(5)
```

```
l
```

```
[1, 2, 3, 4, 5]
```

```
l = l + [6]
```

```
l
```

```
[1, 2, 3, 4, 5, 6]
```

```
l = l + [7, 8, 9, 10]
```

```
l
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

```
l.insert?
```

```
Docstring: L.insert(index, object) -- insert object before index
Type:      builtin_function_or_method
```

```
l.insert(3, 13)
```

```
l
```

```
[1, 2, 3, 13, 4, 5, 6, 7, 8, 9, 10]
```

```
l.extend?
```

```
Docstring: L.extend(iterable) -> None -- extend list by appending elements from the iterable
Type:      builtin_function_or_method
```

```
l.extend([11, 12])
```

```
l
```

```
[1, 2, 3, 13, 4, 5, 6, 7, 8, 9, 10, 11, 12]
```

