

Common Operations

There are some functions which can be applied on all collections. Here we will see details related to `list` and `set`.

- `in` - check if element exists
- `len` - to get the number of elements.
- `sorted` - to sort the data (original collection will be untouched). Typically, we assign the result of sorting to a new collection.
- `sum`, `min`, `max`, etc - arithmetic operations.
- There can be more such functions.

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

```
1 in l
```

True

```
5 in l
```

False

```
len(l)
```

4

```
sorted(l)
```

[1, 2, 3, 4]

```
sum(l)
```

10

```
s = {1, 2, 3, 4} # set
```

```
1 in s
```

True

```
5 in s
```

False

```
len(s)
```

4

```
sorted(s)
```

[1, 2, 3, 4]

```
sum(s)
```

10

