

Typical set operations

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We typically perform below operations on set. These are typical mathematical set operations that can be performed in Python.

- **union** - get all unique elements from 2 or more sets.
- **intersection** - get common elements between 2 or more sets.
- **difference** - get operations from one set but not in other set.

All the above functions generate a new set.

```
s1 = {1, 2, 3, 4}
```

```
s2 = {3, 4, 5, 6, 7}
```

```
s1.union(s2)
```

```
{1, 2, 3, 4, 5, 6, 7}
```

```
s1.intersection(s2)
```

```
{3, 4}
```

```
s1.difference(s2)
```

```
{1, 2}
```

```
s2.difference(s1)
```

```
{5, 6, 7}
```