Validating set

Here are some of the operations that can be performed to validate sets using Python as programming language.

- Checking if an element exists (using in operator).
- `issubset` - checking if first set is subset of second set
- `issuperset` - checking if first set is superset of second set
- `isdisjoint` - check if 2 sets have common elements

```
s = {1, 2, 3, 3, 4, 4, 4, 5}
```

```
1 in s
```

```
True
```

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

```
s2 = {1, 2, 3, 4, 5}
```

```
s1.issubset?
```

```
Docstring: Report whether another set contains this set.
Type:      builtin_function_or_method
```

```
s1.issubset(s2)
```

```
True
```

```
s1.issuperset(s2)
```

```
False
```

```
s2.issuperset(s1)
```

```
True
```

```
s1.issuperset(s2)
```

```
False
```

```
s1.isdisjoint?
```

```
Docstring: Return True if two sets have a null intersection.
Type:      builtin_function_or_method
```

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

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

```
s1.isdisjoint(s2)
```

```
False
```

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

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

```
s1.isdisjoint(s2)
```

```
True
```

By Durga Gadiraju