

Sets

<http://bit.ly/VTProgTeamSets>

What is a Set?

Simply put a set is a unique collection of objects

Sets in Java

Most commonly used methods:

- `add(obj)`
- `remove(obj)`
- `contains(obj)`

java.util.HashSet

- Uses a hash of all objects stored
- Constant time operations
- Random ordering of elements

java.util.TreeSet

- Comparison based storage
- Logarithmic time operations
- Ordered according to compareTo method

When to use a set?

- Checking for duplicates
- Keeping track of events
- Marking states as used