

# Concept: Sets

Sets are unordered collections of unique items. They automatically remove duplicates and support mathematical operations such as union, intersection, and difference.

Sets are mutable but do not support indexing or slicing since they are unordered.

They are ideal for eliminating duplicates and checking membership efficiently.

```
nums = {1, 2, 3, 3, 4}
print(nums)
```

```
setA = {1, 2, 3}
setB = {3, 4, 5}
print('Union:', setA | setB)
print('Intersection:', setA & setB)
```