**List**

**# Create a list of numbers**

**numbers = [4, 2, 1, 3, 5]**

**# Sort the list in ascending order**

**numbers.sort()**

**print(numbers) # Output: [1, 2, 3, 4, 5]**

**# Reverse the order of the list**

**numbers.reverse()**

**print(numbers) # Output: [5, 4, 3, 2, 1]**

**# Count the number of occurrences of an item in the list**

**count = numbers.count(3)**

**print(count) # Output: 1**

**# Find the index of an item in the list**

**index = numbers.index(4)**

**print(index) # Output: 1**

**Dict**

**# Create a dictionary of names and ages**

**ages = {'Alice': 25, 'Bob': 30, 'Charlie': 35}**

**# Get a list of keys in the dictionary**

**keys = ages.keys()**

**print(keys) # Output: dict\_keys(['Alice', 'Bob', 'Charlie'])**

**# Get a list of values in the dictionary**

**values = ages.values()**

**print(values) # Output: dict\_values([25, 30, 35])**

**# Get a list of key-value pairs in the dictionary**

**items = ages.items()**

**print(items) # Output: dict\_items([('Alice', 25), ('Bob', 30), ('Charlie', 35)])**

**# Update the value of a key in the dictionary**

**ages['Alice'] = 26**

**print(ages) # Output: {'Alice': 26, 'Bob': 30, 'Charlie': 35}**

**Set**

**# Create two sets of numbers**

**set1 = {1, 2, 3, 4}**

**set2 = {3, 4, 5, 6}**

**# Add an item to a set**

**set1.add(5)**

**print(set1) # Output: {1, 2, 3, 4, 5}**

**# Remove an item from a set**

**set2.remove(6)**

**print(set2) # Output: {3, 4, 5}**

**# Get the union of two sets**

**union = set1.union(set2)**

**print(union) # Output: {1, 2, 3, 4, 5}**

**# Get the intersection of two sets**

**intersection = set1.intersection(set2)**

**print(intersection) # Output: {3, 4}**