**1. Remove a given item from a set**

my\_set = {10, 20, 30, 40, 50}

item = int(input("Enter item to remove: "))

my\_set.discard(item) # discard doesn't raise error if item not found

print("Updated set:", my\_set)

**2. Create an Intersection of sets**

set1 = {1, 2, 3, 4, 5}

set2 = {4, 5, 6, 7, 8}

intersection = set1 & set2 # or set1.intersection(set2)

print("Intersection:", intersection)

**3. Create a Union of sets**

set1 = {1, 2, 3}

set2 = {3, 4, 5}

union = set1 | set2 # or set1.union(set2)

print("Union:", union)

**4. Find the Maximum and Minimum value in a set**

my\_set = {12, 45, 3, 67, 29}

print("Maximum value:", max(my\_set))

print("Minimum value:", min(my\_set))