# Define two sets

set\_a = {1, 2, 3, 4, 5}

set\_b = {4, 5, 6, 7, 8}

# Print both sets

print("Set A:", set\_a)

print("Set B:", set\_b)

# Union

print("Union:", set\_a.union(set\_b))

# Intersection

print("Intersection:", set\_a.intersection(set\_b))

# Difference

print("A - B (Difference):", set\_a.difference(set\_b))

# Add an element to a set

set\_a.add(10)

print("Set A after adding 10:", set\_a)

# Remove an element from a set

set\_a.discard(3)

print("Set A after discarding 3:", set\_a)