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

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

union\_set = set\_a.union(set\_b)

print("Union:", union\_set)

intersection\_set = set\_a.intersection(set\_b)

print("Intersection:", intersection\_set)

difference\_set = set\_a.difference(set\_b)

print("Difference (set\_a - set\_b):", difference\_set)

symmetric\_difference\_set = set\_a.symmetric\_difference(set\_b)

print("Symmetric Difference:", symmetric\_difference\_set)