**Exercise 1: Add a list of elements to a given set**

**Given**:

sampleSet = {"Yellow", "Orange", "Black"}

sampleList = ["Blue", "Green", "Red"]

**Expected output:**

Note: Set is unordered.

{'Green', 'Yellow', 'Black', 'Orange', 'Red', 'Blue'}

**Exercise 2: Return a new set of identical items from a given two set**

set1 = {10, 20, 30, 40, 50}

set2 = {30, 40, 50, 60, 70}

**Expected output:**

{40, 50, 30}

*Note. Try “intersection” method of “set” object*

**Exercise 3: Returns a new set with all items from both sets by removing duplicates**

set1 = {10, 20, 30, 40, 50}

set2 = {30, 40, 50, 60, 70}

**Expected output:**

{70, 40, 10, 50, 20, 60, 30}

**Exercise 4: Given two Python sets, update the first set with items that exist only in the first set and not in the second set.**

set1 = {10, 20, 30}

set2 = {20, 40, 50}

**Expected output:**

set1 {10, 30}

**Exercise 5: Remove items 10, 20, 30 from the following set at once**

set1 = {10, 20, 30, 40, 50}

**Expected output:**

{40, 50}

*Note. Try to use “difference\_update” method of “set” object.*

**Exercise 6: Return a set of all elements in either A or B, but not both**

set1 = {10, 20, 30, 40, 50}

set2 = {30, 40, 50, 60, 70}

**Expected output:**

{20, 70, 10, 60}

*Note. Try “symmetric\_difference” method of “set” object.*