

Python Set Exercise

Exercise 1: Return a new set of identical items from two sets

Given:

```
set1 = {10, 20, 30, 40, 50}
set2 = {30, 40, 50, 60, 70}
```

Expected output:

```
{40, 50, 30}
```

Exercise 2: Get Only unique items from two sets

Write a Python program to return a new set with unique items from both sets by removing duplicates.

Given:

```
set1 = {10, 20, 30, 40, 50}
set2 = {30, 40, 50, 60, 70}
```

Expected output:

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

Note: set is unordered so not necessary this will be the order of the item.

Exercise 3: Update the first set with items that don't exist in the second set

Given two Python sets, write a Python program to update the first set with items that exist only in the first set and not in the second set.

Given:

```
set1 = {10, 20, 30}
set2 = {20, 40, 50}
```

Expected output:

```
set1 {10, 30}
```

Exercise 4: Remove items from the set at once

Write a Python program to remove items 10, 20, 30 from the following set at once.

Given:

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

Expected output:

```
{40, 50}
```

Exercise 5: Return a set of elements present in Set A or B, but not both

Given:

```
set1 = {10, 20, 30, 40, 50}  
set2 = {30, 40, 50, 60, 70}
```

Expected output:

```
{20, 70, 10, 60}
```