

## **Python programming Lab Assignment – 14 Set**

### **Assignment Questions :**

1. Write a Python program to Get Only unique items from two sets.

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

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

2. Write a Python program to Return a set of elements present in Set A or B, but not both.

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

Output: {20, 70, 10, 60}

1. Write a Python program to Get Only unique items from two sets.

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

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

**Sol :**

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

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

```
unique_items = set1 | set2
```

```
print(unique_items)
```

2. Write a Python program to Return a set of elements present in Set A or B, but not both.

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

Output: {20, 70, 10, 60}

**Sol :**

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

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

```
result = set1 ^ set2
```

```
print(result)
```

