

Question 1:

We have two sets given below. Print the set of elements that are present in either set1 or set2 but not both.

```
set1 = {1, 2, 3, 4, 5}
```

```
set2 = {4, 5, 6, 7}
```

Expected Output:

```
{1, 2, 3, 6, 7}
```

Question 2:

Print all the keys of the dictionary given below.

```
myDict = {1:'One', 2:'Two', 3:'Three'}
```

Expected Output:

```
dict_keys([1, 2, 3])
```

Question 3:

We have two sets given below. Print the elements common to both the sets.

```
set1 = {1, 2, 3, 4, 5}
```

```
set2 = {4, 5, 6, 7}
```

Expected Output:

```
{4, 5}
```

Question 4:

We have a dictionary given below. Delete the item with key '3,' and add an item with key '7' and value 'Black.'

```
color = {1:'Red', 2:'Orange', 3:'White', 4:'Brown', 5:'Yellow'}
```

Expected Output:

```
{1: 'Red', 2: 'Orange', 4: 'Brown', 5: 'Yellow', 7: 'Black'}
```

Question 5:

We have two sets given below. Check if set1 is a subset of set2.

```
set1 = {2, 4, 6}
```

```
set2 = {2, 4, 6, 8, 10}
```

Expected Output:

```
True
```

Question 6:

Merge the two dictionaries given below.

```
myDict1 = {1:'One', 2:'Two', 3:'Three'}
```

```
myDict2 = {4:'Four', 5:'Five', 6:'Six'}
```

Expected Output:

```
{1: 'One', 2: 'Two', 3: 'Three', 4: 'Four', 5: 'Five', 6: 'Six'}
```

Question 7:

We have two sets given below. Print the elements that are present in set1 but not in set2.

```
set1 = {2, 3, 4, 5}
```

```
set2 = {2, 4, 6, 8}
```

Expected Solution:

```
{3, 5}
```

Question 8:

We have a dictionary given below. Copy this dictionary into another dictionary 'replica,' and change the value of the key 103 to 'Sally' in the replica dictionary only. Finally, print both the dictionaries.

```
student_details = {101:'Judy', 102:'Victor', 103:'Sam'}
```

Expected Output:

```
{101: 'Judy', 102: 'Victor', 103: 'Sam'}
```

```
{101: 'Judy', 102: 'Victor', 103: 'Sally'}
```

Question 9:

Remove all the duplicate items from the tuple given below.

```
myTuple = ('Red', 'Blue', 'Green', 'Red', 'Orange', 'Green')
```

Expected Output:

```
{'Blue', 'Green', 'Orange', 'Red'}
```

Question 10:

Print the number and the cube of that number in a dictionary from 0 to 5.

Expected Output:

```
{0: 0, 1: 1, 2: 8, 3: 27, 4: 64, 5: 125}
```