

1. You have given a Python list. Write a program to find value 20 in the list, and if it is present, replace it with 200. Only update the first occurrence of an item.

Given input : list1 = [5, 10, 15, 20, 25, 50, 20]

Expected output: [5, 10, 15, 200, 25, 50, 20]

Ans: list1 = [5, 10, 15, 20, 25, 50, 20]

if 20 in list1:

```
index = list1.index(20)
```

```
list1[index] = 200
```

```
print(list1)
```

Output : [5, 10, 15, 200, 25, 50, 20]

2. Given a Python list, write a program to remove all occurrences of item 20.

Given input : list1 = [5, 20, 15, 20, 25, 50, 20]

Expected output:[5, 15, 25, 50]

Ans: list1 = [5, 20, 15, 20, 25, 50, 20]

```
list1 = [item for item in list1 if item != 20]
```

```
print(list1)
```

Output: [5, 15, 25, 50]

3. Given a two Python list. Write a program to iterate both lists simultaneously and display items from list1 in original order and items from list2 in reverse order.

Given input :

```
list1 = [10, 20, 30, 40]
```

```
list2 = [100, 200, 300, 400]
```

Expected output:

```
10 400
```

```
20 300
```

```
30 200
```

```
40 100
```

Ans: list1 = [10, 20, 30, 40]

```
list2 = [100, 200, 300, 400]
```

```
for item1, item2 in zip(list1, reversed(list2)):
```

```
    print(item1, item2)
```

Output:

10 400

20 300

30 200

40 100