

Assignment

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]

Program :

```
list1 = [5, 10, 15, 20, 25, 50, 20]
```

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

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

```
print(list1)
```

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]

list Program :

```
list1 = [5, 20, 15, 20, 25, 50, 20]
```

```
while 20 in list1:
```

```
    list1.remove(20)
```

```
print(list1)
```

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.
```

Program :

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

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

```
for x, y in zip(list1, list2[::-1]):
```

```
    print(x, y)
```