

### Assignment 4

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]

2. Given a python list, write a program to remove all occurrence of item 20.

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

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

3. Given a two python list. write a program to iterate both list simultaneously and display item 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 1

PROGRAM:

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

```
for index in range(0, len(list1)):
```

```
    if list1[index] == 20:
```

```
        i = index
```

```
        break
```

```
list2 = list1[:i] + [200] + list1[i+1]
```

```
print(list2)
```

OUTPUT:

```
[5, 10, 15, 200, 25, 50, 20]
```

Ans 2

PROGRAM

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

```
j = []
```

```
for p in list1:
```

```
    if p != 20:
```

```
        j.append(p)
```

```
print(j)
```

OUTPUT

```
[5, 15, 25, 50]
```

A&S3

PROGRAM:

list1 = [10, 20, 30, 40]

list2 = [100, 200, 300, 400]

for i in range(0, len(list1)):

print(list1[i], list2[-(i+1)])

OUTPUT:

10 400

20 300

30 200

40 100