

# 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]

```
In [1]: list1=[5,10,15,20,25,50,20]
index = list1.index(20)
list1[index] = 200
print(list1)
```

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[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]

```
In [4]: list1=[5,10,15,20,25,50,20]
while 20 in list1:
    list1.remove(20)
print(list1)
```

```
[5, 10, 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

```
In [5]: list1 = [10, 20, 30, 40]
list2 = [100, 200, 300, 400]

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

```
10 400
20 300
30 200
40 100
```

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In [ ]:
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