

**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 [10]:

```
def lst_updt(l1):
```

```
    tl=[]
```

```
    c=0
```

```
    for x in l1:
```

```
        if x==20:
```

```
            c=c+1
```

```
            if c==1:
```

```
                x=200
```

```
                tl.append(x)
```

```
            elif c>1:
```

```
                tl.append(x)
```

```
        else:
```

```
            tl.append(x)
```

```
    return tl
```

```
print(lst_updt([5, 10, 20, 15, 25, 50, 20]))
```

\_\_output:

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

```
lst=[5,10,15,20,25,30,50,20]
```

```
i=lst.index(20)
```

```
lst1=[]
```

```
for x in lst:
```

```
    lst[i]=200
```

```
    lst1.append(x)
```

```
print(lst1)
```

```
[5, 10, 15, 200, 25, 30, 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 [23]:

```
l1=[5,10,15,20,25,30,50,20]
```

```
l2=[]
```

```
a=20
```

```
for x in l1:
```

```
    l2.append(x)
```

```
    if x==a:
```

```
        l2.remove(x)
```

```
    else:
```

```
        pass
```

```
print(l2)
```

output:

```
[5, 10, 15, 25, 30, 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]

In [28]:

```
lst1=[10, 20, 30, 40]
```

```
lst2=[100, 200, 300, 400]
```

```
lst2.reverse()
```

```
itr1=iter(lst1)
```

```
itr2=iter(lst2)
```

```
while True:
```

```
    try:
```

```
        val=next(itr1)
```

```
        val2=next(itr2)
```

```
    except StopIteration:
```

```
        break
```

```
    print(val,val2)
```

output:

```
10 400
```

```
20 300
```

```
30 200
```

```
40 100
```

In [ ]: