

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]
```

```
# number of elements
n = int(input("Enter number of elements : "))
# Below line read inputs from user using map() function
data = list(map(int, input("Enter the numbers : ").strip().split()))[:n]
print("\nList is - ", data)
hasfound = 0
s = list()
##res = [200 if item == 20 else item for item in data]
for i in data:
    if(i == 20 and hasfound == 0):
        #print("here", hasfound)
        i = 200
        s.append(i)
        hasfound = 1
    else:
        s.append(i)

# print list
print("After update: ", s)
```

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]
```

```
# number of elements
n = int(input("Enter number of elements : "))
# Below line read inputs from user using map() function
data = list(map(int, input("Enter the numbers : ").strip().split()))[:n]
print("\nList is - ", data)
noToDelete = int(input("enter number to be deleted from above list: "))
##using list comprehension
res = [i for i in data if i != noToDelete]
print("After update: ", res)
```

##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
```

```
# number of elements
```

```
n = int(input("Enter number of elements for both lists : "))
# Below line read inputs from user using map() function
list1 = list(map(int,input("Enter the numbers in first list : ").strip().split()))[:n]
list2 = list(map(int,input("Enter the numbers in second list : ").strip().split()))[:n]
## sorting the second list in reverse order
list2.sort(reverse=True)
print("After rever sorting list2:", list2)
##Zip function to display items from list1 and reversed list2 similtaneously
for x, y in zip(list1, list2):
    print (x, y)
```