

In []: 1. You have given a Python list. Write a program to find value 20 **in** the list, **and if** it

Given input : list1 = [5, 10, 15, 20, 25, 50, 20]

Expected output: [5, 10, 15, 200, 25, 50, 20]

```
In [ ]: List = [5, 10, 15, 20, 25, 50, 20]
print("List of numbers: ")
print(List)
print(List[-1])

#List.append(87)
print(List)

#List.insert(1,87)
#List[3]=200

print(List)
list_len =len(List)
print(list_len)
for i in range(list_len):
    print(i,List[i])
    if List[i] ==20 :
        List[i]=200
        break
print(List)
```

1. 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 [42]: List = [5, 10, 15, 20, 25, 50, 20]
print("List of numbers: ")
print(List)
print(List[-1])

#List.append(87)
print(List)

#List.insert(1,87)
#List[3]=200

print(List)
list_len =len(List)
print(list_len)
for i in range(list_len):
    print(i,List[i])
    if List[i] ==20 :
        List[i]=200
        #break
print(List)
```

```
List of numbers:
[5, 10, 15, 20, 25, 50, 20]
20
[5, 10, 15, 20, 25, 50, 20]
[5, 10, 15, 20, 25, 50, 20]
7
0 5
```

```
1 10
2 15
3 20
4 25
5 50
6 20
[5, 10, 15, 200, 25, 50, 200]
```

1. 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 [54]: list1 = [10, 20, 30, 40]
list2 = [100, 200, 300, 400]
list_len = len(list1)
print("list1 length", list_len)
list_len = len(list1)
print("list2 length", list_len)
for i in range(list_len):
    print(list1[i])
    reverse = -1*(i+1)
    print(list2[reverse], "\n")
```

```
list1 length 4
list2 length 4
10
400

20
300

30
200

40
100
```