

1) You have given a Python list. Write a program to find value 20 in the list, & if it is present, replace it with 200. Only update the first occurrence of an item.

Given input : list 1 = [5, 10, 15, 20, 25, 50, 20]

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

```
list 1 = [5, 10, 15, 20, 25, 50, 20]
```

```
# get the first occurrence index
```

```
index = list 1.index(20)
```

```
# update item present at location
```

```
list 1[index] = 200
```

```
print(list 1)
```

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

Given input: list 1 = [5, 20, 15, 20, 25, ~~20~~, 50, 20].

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

```
list 1 = [5, 20, 15, 20, 25, 50, 20]
```

```
# list comprehension
```

```
# remove specific items and return a new list
```

```
def remove_value(sample_list, val):
```

```
    return [i for i in sample_list if i != val]
```

```
res = remove_value(list 1, 20)
```

```
print(res)
```

3) Given a two python list. Write a program to iterate both lists simultaneously & display item from list 1 in original order & items from list 2 in reverse order.

Given input:

list 1 = [10, 20, 30, 40]

list 2 = [100, 200, 300, 400].

Expected output:

10 400

20 300

30 200

40 100

list 1 = [10, 20, 30, 40]

list 2 = [100, 200, 300, 400].

```
for x, y in zip(list 1, list 2[::-1]):
```

```
    print(x, y)
```