

Assignment - 4

Program - 1

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# 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]

def replaceNum(l):
    for n in l:
        if n == 20:
            i = l.index(n)
            l[i] = 200
            break
    return l

l2 = [5, 10, 15, 20, 25, 50, 20]
print(replaceNum(l2))
```

Output

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

Program - 2

```
#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]

# given list
l = [5, 20, 15, 20, 25, 50, 20]
for n in l:
    if n==20:
        l.remove(n)

print(l)
```

Output

```
[5, 15, 25, 50]
```

Program - 3

#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

#given lists
list1 = [10, 20, 30, 40]
list2 = [100, 200, 300, 400]
list2.reverse()

# len(list1) is equal to len(list3)
for i in range (len(list1)):

    print(list1[i],list2[i])
```

Output

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