

Assignment 3

In [56]: *#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.*

```
list1=[5, 10, 15, 20, 25, 50, 20]
for x in list1:
    if x==20:
        list1[list1.index(x)]=200
        print(list1)
        break
```

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

In [57]: *#2. Given a Python list, write a program to remove all # occurrences of item 20.*

```
list1 = [5, 20, 15, 20, 25, 50, 20]
for x in list1:
    if x==20:
        list1.remove(x)
print(list1)
```

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

In [58]: *# 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.*

```
list1 = [10, 20, 30, 40]
list2 = [100, 200, 300, 400]
y=len(list2)
for x in range(0,len(list1)):
    y-=1
    print(list1[x],list2[y])
```

```
10 400
```

```
20 300
```

```
30 200
```

```
40 100
```