

Assignment-4

write a program to find value 20 in the list, and if it is present replace it with 200. only update first occurrence of an item.

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

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

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

to get 1st occurrence of 20

index = list1.index(20)

update 20 by 200

list1[index] = 200

print(list1)

Output: [5, 10, 15, 200, 25, 50, 20]

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]

list1 = [5, 20, 15, 20, 25, 50, 20]

Ans: def remove(sample list, val):

return [i for i in sample list if i != val]

res = remove(list1, 20)

print(res)

Output: [5, 15, 25, 50]

3) Given 2 python lists. Write a program to Iterate both lists simultaneously and display list items in original order and items from list2 in reverse order.

list1 = [10, 20, 30, 40]

list2 = [100, 200, 300, 400]

Ans: for x,y in zip(list1, list2[::-1]):
print(x,y)

output	10	400
	20	300
	30	200
	40	100