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"""
Topic: Remove Function in list
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Reference : NPTEL:https://onlinecourses.nptel.ac.in/:Course-Python for Data Science
"""

"""
Remove Function in list
removes the first matching object from the list
Syntax:
    list_name[index].remove(object)
"""
roll_no = [1,2,3,4,5]
student_name = ["Ram","Shyam","Sita","Gita","Radha"]
stud_no = 5
marks=[30,40,50,60,70]
student_list = [roll_no,student_name,stud_no,marks]
"""index positions  0          1          2          3      Sub Level"""
print(student_list)
#[[1, 2, 3, 4, 5], ['Ram', 'Shyam', 'Sita', 'Gita', 'Radha'], 5, [30, 40, 50, 60, 70]]

# Remove Gita from the student_name level of student_list

student_list[1].remove("Gita")
print(student_list)
#[[1, 2, 3, 4, 5], ['Ram', 'Shyam', 'Sita', 'Radha'], 5, [30, 40, 50, 60, 70]]

#Lets insert Shyam one more time it means after this
# we will have 2 Shyam names then we will see how remove works for double entries

student_list[1].insert(3,"Shyam")
print(student_list)
#[[1, 2, 3, 4, 5], ['Ram', 'Shyam', 'Sita', 'Shyam', 'Radha'], 5, [30, 40, 50, 60, 70]]

student_list[1].remove("Shyam")
print(student_list) # It removes only first occurrence
#[[1, 2, 3, 4, 5], ['Ram', 'Sita', 'Shyam', 'Radha'], 5, [30, 40, 50, 60, 70]]

```