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"""
Topic: Delete Function in list
@author: Varpe K. M.
Reference : NPTEL:https://onlinecourses.nptel.ac.in/:Course-Python for Data Science
"""

"""
Delete Function in list
removes the object at the specified index number
Syntax:
    del list_name[index1][index2]
In the above syntax,
index1 - index number of the top level of components to be dropped
index2 - corresponds to the sublevel of the components to be dropped
"""

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

# Drop the Last Level i.e. marks from the student_list
del student_list[3]
print(student_list)
#[[1, 2, 3, 4, 5], ['Ram', 'Shyam', 'Sita', 'Gita', 'Radha'], 5]

# Drop student name Radha at positon sub level 1 inside at 4
del student_list[1][4]
print(student_list)
#[[1, 2, 3, 4, 5], ['Ram', 'Shyam', 'Sita', 'Gita'], 5]

```