```python
"""
Topic: Summary of lists
@author: Varpe K. M.
Reference : NPTL:https://onlinecourses.nptel.ac.in/:Course-Python for Data Science
"""
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)
"""
append() - adds an object at the end of the list
Syntax:
      list_name[index].append(object)
"""
student_list[0].append(5)
student_list[2]=5
print(student_list)
#Append Student name Radha to sub list 2 of names
student_list[1].append('Radha')

"""
insert() - adds an object at the given position in a list
Syntax:
      list_name[index].insert(position,object)
"""
student_list[0].insert(0,6)
print("After Insert Student List =>",student_list)
student_list[1].insert(5,'Satya')
print("After Insert Student List =>",student_list)

"""
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
"""
del student_list[3]
print(student_list)
del student_list[1][4]
print(student_list)

"""
Remove Function in list
removes the first matching object from the list
Syntax:
      list_name[index].remove(object)
"""
student_list[1].remove("Gita")
print(student_list)
student_list[1].insert(3,"Shyam")
print(student_list)
student_list[1].remove("Shyam")
print(student_list)

"""
```

```
pop() -displays the object that is being removed from the list at the specified index number
Syntax:
        list_name[index1].pop(index2))

index1 - index number of the top level of the componenets to be dropped
index2 - corresponds to the sub level of componenets to be dropped
"""
student_list[0].pop(4)
#Out[21]: 5
#Print the updated list
print(student_list)
```