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ListManipulator = []

ListManipulator = ["Mahesh","anusha","siva"]

# Take a list of elements as a parameter and appends them to the internal list

ListManipulator = ["Mahesh","anusha","siva"]
ListManipulator.append("Suri")
print(ListManipulator)

    ['Mahesh', 'anusha', 'siva', 'Suri']

# Remove Duplicate values from the internal list

ListManipulator = ["Mahesh","anusha","siva",'Suri',"Mahesh","Venu","Suri"]
new_list = []
for item in ListManipulator:
    if item not in new_list:
        new_list.append(item)
print(new_list)

    ['Mahesh', 'anusha', 'siva', 'Suri', 'Venu']

# Reverse the order of the elements in the internal list

ListManipulator = ["Mahesh","anusha","siva",'Suri',"Mahesh","Venu","Suri"]
ListManipulator.reverse()
print(ListManipulator)

    ['Suri', 'Venu', 'Mahesh', 'Suri', 'siva', 'anusha', 'Mahesh']

# Sort the elements in the internal list in ascending order

my_list = [3, 1, 4, 1, 5, 9, 2, 6, 5, 3, 5]
my_list.sort()
print(my_list)

    [1, 1, 2, 3, 3, 4, 5, 5, 5, 6, 9]

# Get unique elements

ListManipulator = ["Mahesh","anusha","siva",'Suri',"Mahesh","Venu","Suri"]
unique_elements = list(set(ListManipulator))
print(unique_elements)

    ['siva', 'Suri', 'Mahesh', 'Venu', 'anusha']

# remove elements as a parameter and appends them to the internal list

ListManipulator = ["Mahesh","anusha","siva","Suri"]
ListManipulator.remove("Suri")
print(ListManipulator)

    ['Mahesh', 'anusha', 'siva']

# Returns the current state of the internal list

class ListManipulator:
    def __init__(self, elements=[]):
        self.elements = elements

    def get_elements(self):
        return self.elements


# Create an instance of ListManipulator
list_manipulator = ListManipulator([1, 2, 3, 4])

# Retrieve the current state of the internal list value
current_list_state = list_manipulator.get_elements()

    [1, 2, 3, 4]

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print(current_list_state) # Output: [1, 2, 3, 4]
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 [1, 2, 3, 4]