**7.What are the methods of list in python?**

**Objective:**

* To see the major methods of list in python3.

**Process:**

* **Append**

It add the element in to the list.

Eg:list.append(element).

* **Insert**

It used to add the new element in a corresponding position.

Eg.list.insert(element index position).

* **Pop**

It used to delete corresponding index of the object to be removed from the list.

Eg.list.pop(1).

* **Remove**

This method does not return any value but removes the given object from the list

Eg.list.remove(element).

* **Reverse**

Its reverse the given element in a list.

Eg.list.reverse().

**Input:**

* Sample list.

**Output:**

* List append, insert, pop, remove, count and reverse.

**Source code:**

#Take sample list

list1=['sathish','sangeetha','venkat','sheela','sudhakar',23,24,25,21,21]

#append the list

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*Append method demo")

print("Actual list is\n",list1)

print("After append the list")

list1.append('Loganath')

print(list1)

#insert the list

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*Insert method demo\n")

print("After insert the list")

list1.insert(2,'mano')

print(list1)

#pop the list

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*Pop method demo\n")

list1.pop(1)

print("After pop the list")

print(list1)

#remove from the list

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*Remove method demo\n")

list1.remove('venkat')

print("After remove the list")

print(list1)

#make reverse of a list

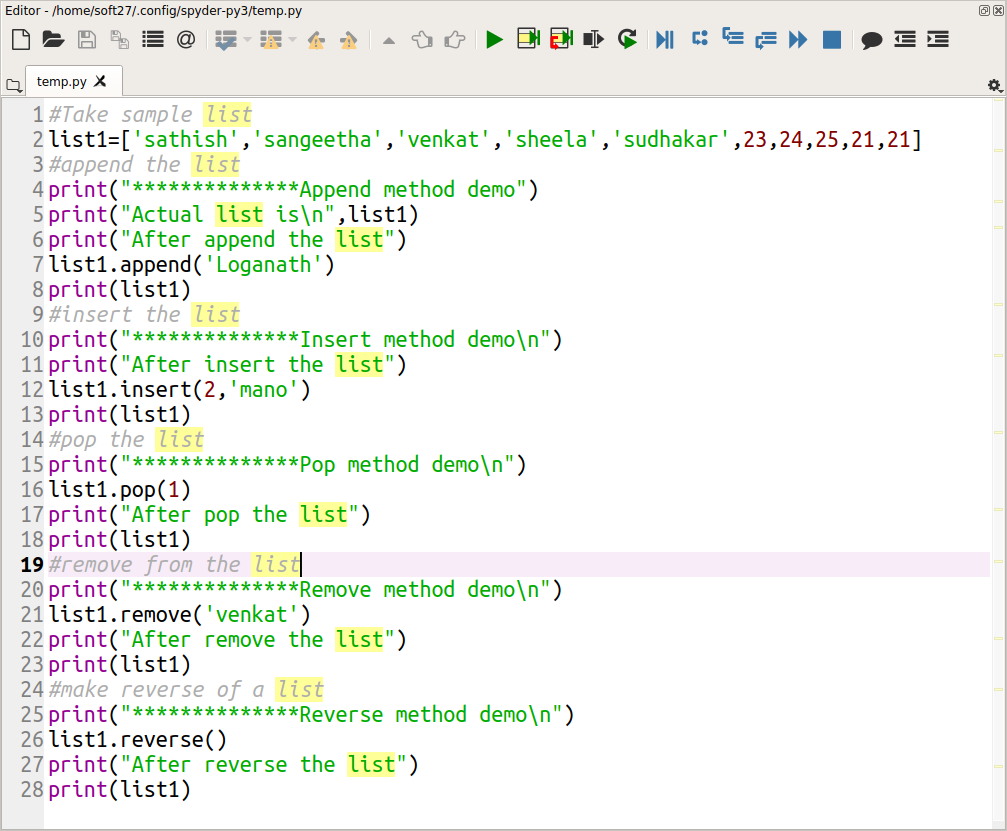
print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*Reverse method demo\n")

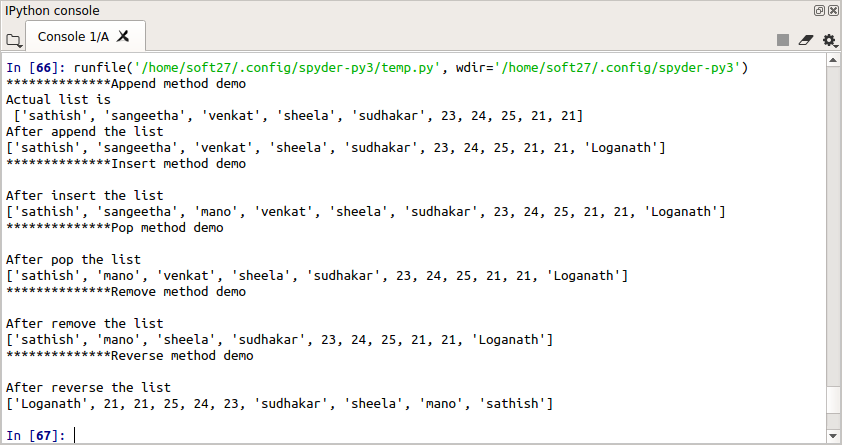
list1.reverse()

print("After reverse the list")

print(list1)

**Screen shot:**

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