Creating list :

my\_list = [1,2,3]

print(my\_list)// to print the list

for i in my\_list:

print(i)// printing list through loop

adding and removing the element from list :\

my\_list = [0,1]  
print(my\_list)  
  
for item in [2,3,4]:   
 my\_list.append(item)   
print(my\_list)  
  
my\_list.extend([5,6,7])  
  
my\_list+[8,9,10]   
print(my\_list)

removing elements from list :

my\_list = [1,2,3]  
print(my\_list)  
my\_list.remove(2)  
print(my\_list)  
value = my\_list.pop()  
print(value)  
print(my\_list)

you can remove a list element by its index in Python using one of the following methods:

**1. Using del Statement**

The del statement can remove an element at a specific index from a list.

python

Copy code

my\_list = [0, 1, 2, 3, 4]

print(my\_list) # Output: [0, 1, 2, 3, 4]

del my\_list[2] # Removes the element at index 2

print(my\_list) # Output: [0, 1, 3, 4]

**2. Using pop() Method**

The pop() method removes and **returns** the element at a specific index. If you do not specify an index, it removes and returns the last element.

python

Copy code

my\_list = [0, 1, 2, 3, 4]

print(my\_list) # Output: [0, 1, 2, 3, 4]

removed\_element = my\_list.pop(2) # Removes and returns the element at index 2

print(my\_list) # Output: [0, 1, 3, 4]

print(removed\_element) # Output: 2

**3. Using Slicing (Create a New List)**

You can remove an element by index and create a new list using slicing.

python

Copy code

my\_list = [0, 1, 2, 3, 4]

print(my\_list) # Output: [0, 1, 2, 3, 4]

my\_list = my\_list[:2] + my\_list[3:] # Removes the element at index 2

print(my\_list) # Output: [0, 1, 3, 4]

add/ Inserting value inbetween in list :

my\_list = [1,2,3]  
print(my\_list)  
my\_list[2]=4  
print(my\_list)  
  
my\_list.insert(1,3)  
print(my\_list)