

```
list.py.py - E:/list.py.py (3.10.7)
File Edit Format Run Options Window Help

#Basic operations in list
#append
list1=['neha','poorvi','radhika','tripti']
list1.append('supriya')
print('Append:',list1)

#extend
list2=['abhinav','lucky','rohit']
list1.extend(list2)
print('Extend:',list1)

#insert
list1.insert(4,'mohini')
print('Insert:',list1)

#remove
list1.remove('radhika')
print('Remove:',list1)

#index
list1.index('tripti')
print('Index:',list1)

#sort
list1.sort()
print('Sort:',list1)

#pop
list1.pop()
print('POP:',list1)

#modify
list1[3]='luvit'
print('Modify:',list1)

#clear
list1.clear()
print('Clear:',list1)
```

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help

Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:/list.py.py =====
Append: ['neha', 'poorvi', 'radhika', 'tripti', 'supriya']
Extend: ['neha', 'poorvi', 'radhika', 'tripti', 'supriya', 'abhinav', 'lucky', 'rohit']
Insert: ['neha', 'poorvi', 'radhika', 'tripti', 'mohini', 'supriya', 'abhinav', 'lucky', 'rohit']
Remove: ['neha', 'poorvi', 'tripti', 'mohini', 'supriya', 'abhinav', 'lucky', 'rohit']
Index: ['neha', 'poorvi', 'tripti', 'mohini', 'supriya', 'abhinav', 'lucky', 'rohit']
Sort: ['abhinav', 'lucky', 'mohini', 'neha', 'poorvi', 'rohit', 'supriya', 'tripti']
POP: ['abhinav', 'lucky', 'mohini', 'neha', 'poorvi', 'rohit', 'supriya']
Modify: ['abhinav', 'lucky', 'mohini', 'luvit', 'poorvi', 'rohit', 'supriya']
Clear: []
>>> |
```

```
dictionary.py - E:/dictionary.py (3.10.7)
File Edit Format Run Options Window Help

#Basic operations on dictionary
#add
dict1={'Name':'neha','Age':18,'Gender':'F','Roll no':101}
dict1['Roll no']=101
print('Add:',dict1)

#remove
del dict1['Gender']
print('delete:',dict1)

#get items
print('Items:' , dict1.items())

#get keys
print('keys:',dict1.keys())

#returnsvalues
print('values:',dict1.values())

#modify
dict1['Roll no']=106
print('Modify:',dict1)

#copy
dict2=dict1.copy()
print('Copy dict2:',dict2)

#popitem
print('popitem:',dict2.popitem())

#clear
dict2.clear()
print('remove all the elements from the dictionary:',dict2)
```

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help

Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit
AMD64] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
===== RESTART: E:/dictionary.py =====
Add: {'Name': 'neha', 'Age': 18, 'Gender': 'F', 'Roll no': 101}
delete: {'Name': 'neha', 'Age': 18, 'Roll no': 101}
Items: dict_items([('Name', 'neha'), ('Age', 18), ('Roll no', 101)])
keys: dict_keys(['Name', 'Age', 'Roll no'])
values: dict_values(['neha', 18, 101])
Modify: {'Name': 'neha', 'Age': 18, 'Roll no': 106}
Copy dict2: {'Name': 'neha', 'Age': 18, 'Roll no': 106}
popitem: ('Roll no', 106)
remove all the elements from the dictionary: {}

>>> |
```

```
*set.py - E:/set.py (3.10.7)*
File Edit Format Run Options Window Help

#Basic operations on set
#add
set1={1, 'Rohan', 'Tushar', 2, 'Sumit', 3}
print(set1)
set1.add(4)
print('Add:', set1)

#remove
set1.remove('Tushar')
print('Remove:', set1)

#modify
set1.discard(4)
set1.add('Kunal')
print('Modify:', set1)

#clear
set1.clear()
print('Remove all the elemnets:', set1)

#delete
del set1
print('Delete set')
|
```

```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help

Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>> ===== RESTART: E:/set.py =====
{1, 2, 3, 'Tushar', 'Rohan', 'Sumit'}
Add: {1, 2, 3, 'Tushar', 4, 'Rohan', 'Sumit'}
Remove: {1, 2, 3, 4, 'Rohan', 'Sumit'}
Modify: {1, 2, 3, 'Kunal', 'Rohan', 'Sumit'}
Remove all the elemnets: set()
Delete set

>>>
```