List:

```python
list=[1,2,5,3,9,7]
print(list)
print(len(list))
print(type(list))
print(list[3])
print(list[-2])
print(list.sort())
list.append("radhi")
print("after append function:",list)
list.clear()
print("after clear:",list)
list1=['radhi',6,9,5,3,8]
list2=['keerthi','yamu']
x=list1.copy()
print(x)
y=list1.count("radhi")
print(y)
list1.extend(list2)
print(list1)
x=list1.index("keerthi")
print(x)
list1.pop()
print(list1)
list1.remove(5)
print(list1)
list1.reverse()
print(list1)
```

```
print(list1[2:])

print(list1[0:4:2])

print(list1[::-2])
```

output:

```
PS C:\Users\lagud\Desktop\python> python -u "c:\Users\lagud\Desktop\python\tempCodeRunnerFile.py"
[1, 2, 5, 3, 9, 7]
6
<class 'list'>
3
9
None
after append function: [1, 2, 3, 5, 7, 9, 'radhi']
after clear: []
['radhi', 6, 9, 5, 3, 8]
1
['radhi', 6, 9, 5, 3, 8, 'keerthi', 'yamu']
6
['radhi', 6, 9, 5, 3, 8, 'keerthi']
['radhi', 6, 9, 3, 8, 'keerthi']
['keerthi', 8, 3, 9, 6, 'radhi']
[3, 9, 6, 'radhi']
['keerthi', 3]
['radhi', 9, 8]
PS C:\Users\lagud\Desktop\python>
```

Tuple:

```
tupl=(8,18,11,19,25)

print(list)

print(len(tupl))

print(type(tupl))

print(tupl[3])

print(tupl[-2])

tupl=list(tupl)

print(tupl.sort())

tupl.append("radhi")

print("after append function:",tupl)
```

```python
tupl.clear()
print("after clear:",tupl)
tuple1=('radhi',6,9,5,3,8)
tuple2=('keerthi','yamu')
tuple1=list(tuple1)
tuple2=list(tuple2)
x=tupl.copy()
print(x)
y=tupl.count("radhi")
print(y)
tuple1.extend(tuple2)
print(tuple1)
x=tuple1.index("keerthi")
print(x)
tuple1.pop()
print(tuple1)
tuple1.remove(5)
print(tuple1)
tuple1.reverse()
print(tuple1)
print(tuple1[2:])
print(tuple1[0:4:2])
print(tuple1[::-2])
x=tuple(tuple1)
print(type(x))
```

Output:

```
PS C:\Users\lagud\Desktop\python> python -u "c:\Users\lagud\Desktop\python\Untitled-2.py"
<class 'list'>
5
<class 'tuple'>
19
19
None
after append function: [8, 11, 18, 19, 25, 'radhi']
after clear: []
[]
0
['radhi', 6, 9, 5, 3, 8, 'keerthi', 'yamu']
6
['radhi', 6, 9, 5, 3, 8, 'keerthi']
['radhi', 6, 9, 3, 8, 'keerthi']
['keerthi', 8, 3, 9, 6, 'radhi']
[3, 9, 6, 'radhi']
['keerthi', 3]
['radhi', 9, 8]
<class 'tuple'>
PS C:\Users\lagud\Desktop\python> 
```