```
In [1]: name=[1,1,2,3]
```

```
In [2]: name
```
```
Out[2]: [1, 1, 2, 3]
```

```
In [3]: new=["sunamhya",1,"cs",13.54787]
```

```
In [4]: new
```
```
Out[4]: ['sunamhya', 1, 'cs', 13.54787]
```

```
In [5]: len(new)
```
```
Out[5]: 4
```

```
In [6]: len(name)
```
```
Out[6]: 4
```

```
In [7]: new[0]
```
```
Out[7]: 'sunamhya'
```

```
In [8]: name[2]
```
```
Out[8]: 2
```

```
In [9]: new[1:]
```
```
Out[9]: [1, 'cs', 13.54787]
```

```
In [10]: name[1:2]
```
```
Out[10]: [1]
```

```
In [11]: final=name+new
```

```
In [12]: final
```
```
Out[12]: [1, 1, 2, 3, 'sunamhya', 1, 'cs', 13.54787]
```

```
In [13]: final.append("ghsdfefwkyuwefygwf")
```

```
In [14]: final
```
```
Out[14]: [1, 1, 2, 3, 'sunamhya', 1, 'cs', 13.54787, 'ghsdfefwkyuwefygwf']
```

```
In [15]: final.pop(5)
```
```
Out[15]: 1
```

```
In [16]:   final
```

```
Out[16]:   [1, 1, 2, 3, 'sunamhya', 'cs', 13.54787, 'ghsdfefwkyuwefygwf']
```

```
In [17]:   final*2
```

```
Out[17]:   [1,
            1,
            2,
            3,
            'sunamhya',
            'cs',
            13.54787,
            'ghsdfefwkyuwefygwf',
            1,
            1,
            2,
            3,
            'sunamhya',
            'cs',
            13.54787,
            'ghsdfefwkyuwefygwf']
```

```
In [18]:   final.reverse()
```

```
In [19]:   print final.reverse()
```

```
           None
```

```
In [20]:   final.sort()
```

```
In [21]:   final.reverse()
```

```
In [22]:   l=['a','b','c']
```

```
In [23]:   l.reverse()
```

```
In [24]:   final
```

```
Out[24]:   ['sunamhya', 'ghsdfefwkyuwefygwf', 'cs', 13.54787, 3, 2, 1, 1]
```

```
In [25]:   l
```

```
Out[25]:   ['c', 'b', 'a']
```

```
In [26]:   l.sort()
```

```
In [27]:   l
```

```
Out[27]:   ['a', 'b', 'c']
```

```
In [28]: matrix=[l,final,new,name
                 ]
```

```
In [29]: matrix
```

```
Out[29]: [['a', 'b', 'c'],
          ['sunamhya', 'ghsdfefwkyuwefygwf', 'cs', 13.54787, 3, 2, 1, 1],
          ['sunamhya', 1, 'cs', 13.54787],
          [1, 1, 2, 3]]
```

```
In [30]: matrix.sort()
```

```
In [31]: matrix
```

```
Out[31]: [[1, 1, 2, 3],
          ['a', 'b', 'c'],
          ['sunamhya', 1, 'cs', 13.54787],
          ['sunamhya', 'ghsdfefwkyuwefygwf', 'cs', 13.54787, 3, 2, 1, 1]]
```

```
In [32]: matrix.reverse()
```

```
In [33]: matrix
```

```
Out[33]: [['sunamhya', 'ghsdfefwkyuwefygwf', 'cs', 13.54787, 3, 2, 1, 1],
          ['sunamhya', 1, 'cs', 13.54787],
          ['a', 'b', 'c'],
          [1, 1, 2, 3]]
```

```
In [34]: matrix[1].reverse()
```

```
In [35]: matrix
```

```
Out[35]: [['sunamhya', 'ghsdfefwkyuwefygwf', 'cs', 13.54787, 3, 2, 1, 1],
          [13.54787, 'cs', 1, 'sunamhya'],
          ['a', 'b', 'c'],
          [1, 1, 2, 3]]
```

```
In [36]: matrix[0].sort()
```

```
In [37]: matrix
```

```
Out[37]: [[1, 1, 2, 3, 13.54787, 'cs', 'ghsdfefwkyuwefygwf', 'sunamhya'],
          [13.54787, 'cs', 1, 'sunamhya'],
          ['a', 'b', 'c'],
          [1, 1, 2, 3]]
```

```
In [38]: first=[row[0] for row in matrix]
```

```
In [39]: first
```

```
Out[39]: [1, 13.54787, 'a', 1]
```