

Untitled21

July 29, 2024

```
[1]: #creating list  
listt=[1,"sowji",123]  
listt
```

```
[1]: [1, 'sowji', 123]
```

```
[2]: listt[1]
```

```
[2]: 'sowji'
```

```
[3]: listt[-1]
```

```
[3]: 123
```

```
[4]: listt[ : :]
```

```
[4]: [1, 'sowji', 123]
```

```
[5]: listt[ :2]
```

```
[5]: [1, 'sowji']
```

```
[6]: listt.pop(1)
```

```
[6]: 'sowji'
```

```
[7]: listt
```

```
[7]: [1, 123]
```

```
[8]: listt.append(4)
```

```
[9]: listt
```

```
[9]: [1, 123, 4]
```

```
[10]: listt.sort()
```

```
[11]: listt
```

[11]: [1, 4, 123]

```
[12]: l=[5,6,7]
      1
```

[12]: [5, 6, 7]

```
[13]: listt.extend(1)
```

```
[14]: listt
```

[14]: [1, 4, 123, 5, 6, 7]

```
[15]: listt.remove(123)
```

```
[16]: listt
```

[16]: [1, 4, 5, 6, 7]

```
[17]: listt.insert(3,9)
```

```
[18]: listt
```

[18]: [1, 4, 5, 9, 6, 7]

```
[19]: listt.count(5)
```

[19]: 1

```
[20]: listt.reverse()
      listt
```

[20]: [7, 6, 9, 5, 4, 1]

```
[21]: listt.clear()
```

```
[22]: listt
```

[22]: []

DICTIONARY

```
[23]: # Dictionary
      dict={'1':1,'2':2,'3':3,'4':4}
      dict
```

[23]: {'1': 1, '2': 2, '3': 3, '4': 4}

```
[24]: dict['2']
```

```
[24]: 2
```

```
[25]: dict.keys()
```

```
[25]: dict_keys(['1', '2', '3', '4'])
```

```
[26]: dict.values()
```

```
[26]: dict_values([1, 2, 3, 4])
```

```
[27]: dict.get('1')
```

```
[27]: 1
```

```
[28]: dict.pop('3')
```

```
[28]: 3
```

```
[29]: dict.update({'5':5})
```

```
[30]: dict
```

```
[30]: {'1': 1, '2': 2, '4': 4, '5': 5}
```

```
[31]: dict.items()
```

```
[31]: dict_items([('1', 1), ('2', 2), ('4', 4), ('5', 5)])
```

```
[32]: dict.popitem()
```

```
[32]: ('5', 5)
```

```
[33]: dict
```

```
[33]: {'1': 1, '2': 2, '4': 4}
```

```
[34]: dict['4']=44
```

```
[35]: dict
```

```
[35]: {'1': 1, '2': 2, '4': 44}
```

```
[36]: dict.clear()
```

```
[37]: dict
```

```
[37]: {}
```

STRINGS

```
[38]: s="i am a python lover"  
s
```

```
[38]: 'i am a python lover'
```

```
[39]: s[1]
```

```
[39]: ' '
```

```
[40]: s[ : 4]
```

```
[40]: 'i am'
```

```
[41]: s[-2]
```

```
[41]: 'e'
```

```
[42]: r=s.capitalize()  
r
```

```
[42]: 'I am a python lover'
```

```
[43]: s.lower()
```

```
[43]: 'i am a python lover'
```

```
[44]: s.upper()
```

```
[44]: 'I AM A PYTHON LOVER'
```

```
[45]: s.isalnum()
```

```
[45]: False
```

```
[46]: s.isalpha()
```

```
[46]: False
```

```
[47]: s.isdigit()
```

```
[47]: False
```

```
[48]: s.find('i')
```

```
[48]: 0
```

```
[49]: s.strip()
```

```
[49]: 'i am a python lover'
```

```
[ ]: TUPLES
```

```
[50]: tup=(1,'q')
```

```
[51]: tup
```

```
[51]: (1, 'q')
```

```
[52]: tup[1]
```

```
[52]: 'q'
```

```
[53]: type(tup)
```

```
[53]: tuple
```

```
[54]: tup.count('q')
```

```
[54]: 1
```

SETS

```
[55]: sett={1,43,2,6,55}
```

```
[56]: sett
```

```
[56]: {1, 2, 6, 43, 55}
```

```
[57]: type(sett)
```

```
[57]: set
```

```
[58]: j=[1,2,3,4]
j
```

```
[58]: [1, 2, 3, 4]
```

```
[59]: set(list(j))
```

```
[59]: {1, 2, 3, 4}
```

```
[60]: j={1,2,3,4}
```

```
[61]: j
```

```
[61]: {1, 2, 3, 4}
```

```
[62]: j.intersection(tup)
```

[62]: {1}

```
[63]: j.union(tup)
```

[63]: {1, 2, 3, 4, 'q'}

```
[64]: j.difference(tup)
```

[64]: {2, 3, 4}

```
[65]: j.pop()
```

[65]: 1

```
[66]: j.add(7)
```

```
[67]: j
```

[67]: {2, 3, 4, 7}