

COMMANDS

```
pip freeze > requir_ments.txt
```

```
mystr*2
```

```
's' in mystr
```

STRING METHODS

```
str.upper() String to uppercase
```

```
str.lower() String to lowercase
```

```
str.count('t') Occurrences of element
```

```
str.strip() Strip whitespaces
```

```
str.endswith() Returns True if
```

```
str.index() Position of first occurrence
```

```
str.isdigit() Returns True if all are digits
```

SLICING

```
list[Initial:End:IndexJump]
```

```
my_list[1:3] Select items at index 1 and 2
```

```
my_list[1:] Select items after index 0
```

```
my_list[:3] Select items before index 3
```

```
my_list[:] Copy my_list
```

LISTS

```
nums=[2,3,4,5]
```

```
nums.append(6) Adds 6 to the end
```

```
insert(0,6) Adds 6 at index position of 0
```

```
nums.remove(6) Removes 6
```

```
nums.pop() Removes the last item
```

```
nums.clear() Removes all the items
```

```
nums.index(8) Returns the index of first 8
```

```
nums.sort() Sorts the list
```

```
nums.reverse() Reverses the list
```

```
nums.copy() Returns a copy of the list
```

```
del lis[2:5] Deletes elements in range
```

```
nums.extend(b) Extend existing list with list b
```

ADVANCE LISTS

Removing duplicates

Use `dict.fromkeys()` function to convert list into dictionary with list elements as keys. Then convert the dictionary back to list.

```
list=['a', 'b', 'c', 'b', 'a']
```

```
list_2 = list(dict.fromkeys(list))
```

Filtering a list

```
list = [item for item in m_list if item > 20]
```

Combining lists

Each item from list A is combined with corresponding elements from list B in the form of a tuple.

```
comb_list = list(zip(list_1, list_2))
```

Finding the most common item

```
list = ['a', 'a', 'a', 'd', 'd', 'e']
```

```
frequent = max(set(list), key=list.count)
```

Flatten a list of lists

comprehension-to convert a list of lists into single list.

```
list=[item for List in listOfList for item in List]
```

PYTHON

this is it if than.

RANGE

```
range(5)
```

Returns sequence from 0 to 4

```
range(2000, 2018)
```

Returns a sequence form 2000 to 2017

```
range(0, 11, 2)
```

Returns seq. from 0 to 10 with increment of 2

```
range(0, -10, -1)
```

Returns a sequence from 0 to -9

```
list(range(5))
```

Returns a list from 0 to 4



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