```python
In [3]: print("Hello there!\n How are you?\nI\'m doing fine.")
```

```
Hello there!
 How are you?
I'm doing fine.
```

```python
In [5]: print("Hello \tHow are you")
```

```
Hello   How are you
```

```python
In [7]: print("Hello\\how are you")
```

```
Hello\how are you
```

```python
In [9]: print("hello\bhow are you")
```

```
hellhow are you
```

Raw string

```python
In [17]: print(
             """Dear Alice,

             Eve's cat has been arrested for catnapping,
             Cat burglary, and extorion.

             Sincerely,
             Bob"""
         )
```

```
Dear Alice,

    Eve's cat has been arrested for catnapping,
    Cat burglary, and extorion.

    Sincerely,
    Bob
```

```python
In [19]: spam='Hello world!'
```

```python
In [21]: spam[0]
```

```
Out[21]: 'H'
```

```python
In [23]: spam[4]
```

```
Out[23]: 'o'
```

```python
In [25]: spam[-1]
```

```
Out[25]: '!'
```

```python
In [27]: spam
```

```
Out[27]: 'Hello world!'
```

```python
In [29]: spam[0:5]
```

```
Out[29]: 'Hello'
```

```python
In [41]: spam[5:]
```

```
Out[41]: ' world!'
```

```python
In [43]: spam[6:-1]
```

```
Out[43]: 'world'
```

```python
In [45]: spam[:-1]
```

```
Out[45]: 'Hello world'
```

```python
In [47]: spam[::-1]
```

```
Out[47]: '!dlrow olleH'
```

```python
In [49]: fizz=spam[0:5]
```

```
In [51]:  fizz

Out[51]:  'Hello'
```

The in and not in operators

```
In [54]:  'Hello' in 'Hello world'

Out[54]:  True
```

```
In [56]:  'Hello' in 'Hello'

Out[56]:  True
```

```
In [58]:  'HELLO' in 'Hello world'

Out[58]:  False
```

```
In [60]:  '' in 'spam'

Out[60]:  True
```

```
In [62]:  'cats' not in 'cats and dogs'

Out[62]:  False
```

upper(), lower(), and title()

```
In [67]:  greet='Hello world'
```

```
In [69]:  greet.upper()

Out[69]:  'HELLO WORLD'
```

```
In [71]:  greet.lower()

Out[71]:  'hello world'
```

```
In [73]:  greet.title()

Out[73]:  'Hello World'
```

isupper() and islower() method

```
In [78]:  spam='Hello world!'
```

```
In [80]:  spam.islower()

Out[80]:  False
```

```
In [82]:  spam.isupper()

Out[82]:  False
```

```
In [84]:  'HELLO'.isupper()

Out[84]:  True
```

```
In [86]:  'abc12345'.islower()

Out[86]:  True
```

```
In [88]:  '12345'.isupper()

Out[88]:  False
```

startswith() and endwith()

```
In [91]:  'Hello world!'.startswith('Hello')

Out[91]:  True
```

```
In [95]:   'Hello world!'.endswith('world!')
```

Out[95]:   True

```
In [97]:   'abc123'.startswith('abcdef')
```

Out[97]:   False

```
In [101...  'abc123'.endswith('12')
```

Out[101... False

```
In [103...  'Hello world!'.startswith('Hello')
```

Out[103... True

```
In [107...  'Hello world!'.endswith('Hello world!')
```

Out[107... True

join() and split()

join()

```
In [111...  ''.join(['my','name','is','Simon'])
```

Out[111... 'mynameisSimon'

```
In [117...  ' , '.join(['cats', 'rats', 'bats'])
```

Out[117... 'cats , rats , bats'

```
In [119...  '   '.join(['my','name','is','Simon'])
```

Out[119... 'my   name   is   Simon'

```
In [121...  'ABC'.join(['my','name','is','Simon'])
```

Out[121... 'myABCnameABCisABCSimon'

split()

```
In [127...  'My name is Simon'.split()
```

Out[127... ['My', 'name', 'is', 'Simon']

```
In [129...  'MyABCnameABCisABCSimon'.split('ABC')
```

Out[129... ['My', 'name', 'is', 'Simon']

```
In [131...  'My name is Simon' .split('m')
```

Out[131... ['My na', 'e is Si', 'on']

```
In [133...  'My name is Simon'.split('i')
```

Out[133... ['My name ', 's S', 'mon']

```
In [135...  'My name is Simon'.split()
```

Out[135... ['My', 'name', 'is', 'Simon']

```
In [145...  'My name is Simon'.split(' ')
```

Out[145... ['My', 'name', 'is', 'Simon']

Justifying text with rjust(), ijust() and center()

```
In [148...  'Hello'.rjust(10)
```

Out[148... '   Hello'

```
In [150...  'Hello'.rjust(20)
```

```
Out[150...  '              Hello'

In [152...  'Hello world'.rjust(20)

Out[152...  '         Hello world'

In [154...  'Hello'.ljust(10)

Out[154...  'Hello     '

In [156...  'Hello'.center(20)

Out[156...  '       Hello        '

In [158...  'Hello'.rjust(20,'*')

Out[158...  '***************Hello'

In [164...  'Hello'.ljust(20,'-')

Out[164...  'Hello---------------'

In [162...  'Hello'.center(20, '=')

Out[162...  '=======Hello========'
```

Removing whitespace with strip(),rstrip(),and lstrip()

```
In [167...  spam='    Hello world    '

In [169...  spam.strip()

Out[169...  'Hello world'

In [171...  spam.lstrip()

Out[171...  'Hello world    '

In [173...  spam.rstrip()

Out[173...  '    Hello world'

In [175...  spam

Out[175...  '    Hello world    '

In [177...  spam='SpamSpamBudutrhgjnlbgcLgjf'

In [181...  spam.strip('Spam')

Out[181...  'BudutrhgjnlbgcLgjf'
```

The Count Method

```
In [184...  sentence='one sheep two sheep three sheep four'

In [186...  sentence.count('sheep')

Out[186...  3

In [188...  sentence.count('e')

Out[188...  9

In [190...  sentence.count('e',6)

Out[190...  8

In [204...  sentence.count('e',7)

Out[204...  7
```

Replace method

```python
text="Hello world!"
```

```python
text.replace("world","planet")
```

```
'Hello planet!'
```

```python
fruits="apple, banana, cherry,apple"
```

```python
fruits.replace("apple","orange",1)
```

```
'orange, banana, cherry,apple'
```

```python
sentance="I like apples, Apples are my favorite fruit"
```

```python
sentance.replace("apples","oranges")
```

```
'I like oranges, Apples are my favorite fruit'
```