```
In [6]:  stuff = "Hello\nWorld!"
         print(stuff)

         Hello
         World!

In [7]:  stuff = "X\nY"
         print (stuff)

         X
         Y

In [8]:  len(stuff)

Out[8]:  3

In [10]: fhand = open('mbox.txt')
         count = 0
         for line in fhand:
             count = count+1
             print("line count:", count)
```
```
---------------------------------------------------------------------------
FileNotFoundError                         Traceback (most recent call last)
Cell In[10], line 1
----> 1 fhand = open('mbox.txt')
      2 count = 0
      3 for line in fhand:

File ~\anaconda3\Lib\site-packages\IPython\core\interactiveshell.py:284, in _modified_open(file, *args, **kwarg
s)
    277 if file in {0, 1, 2}:
    278     raise ValueError(
    279         f"IPython won't let you open fd={file} by default "
    280         "as it is likely to crash IPython. If you know what you are doing, "
    281         "you can use builtins' open."
    282     )
--> 284 return io_open(file, *args, **kwargs)

FileNotFoundError: [Errno 2] No such file or directory: 'mbox.txt'
```
```
In [11]: fhand =open ("mbox-short.txt")
         for line in fhand:
             line= line.rstrip()
             if not line.starswith("From:") :
                 continue
                 print(line)
```
```
---------------------------------------------------------------------------
FileNotFoundError                         Traceback (most recent call last)
Cell In[11], line 1
----> 1 fhand =open ("mbox-short.txt")
      2 for line in fhand:
      3     line= line.rstrip()

File ~\anaconda3\Lib\site-packages\IPython\core\interactiveshell.py:284, in _modified_open(file, *args, **kwarg
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    280         "as it is likely to crash IPython. If you know what you are doing, "
    281         "you can use builtins' open."
    282     )
--> 284 return io_open(file, *args, **kwargs)

FileNotFoundError: [Errno 2] No such file or directory: 'mbox-short.txt'
```
```
In [12]: x= 2
         x= 4
         print(x)

         4

In [13]: print([1, 24, 76])

         [1, 24, 76]

In [16]: print(["red", "yellow", "blue"])

         ['red', 'yellow', 'blue']

In [19]: for i in [5, 4, 3, 2, 1] :
             print(i)
         print("Blastoff!")
```

```
5
4
3
2
1
Blastoff!
```

In [21]:
```python
friends =("joseph", "Glenn" , "Sally")
for friend in friends :
    print("Happy new year", friend)
print("Done")
```

```
Happy new year joseph
Happy new year Glenn
Happy new year Sally
Done
```

In [22]:
```python
z =("joseph", "Glenn" , "Sally")
for x in z :
    print("Happy new year", x)
print("Done!")
```

```
Happy new year joseph
Happy new year Glenn
Happy new year Sally
Done!
```

In [23]:
```python
friends =("joseph", "Glenn" , "Sally")
print(friends[1])
```

```
Glenn
```

In [24]:
```python
fruit = "Banana"
fruit[0] = 'b'
x= fruit.lower()
print(x)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[24], line 2
      1 fruit = "Banana"
----> 2 fruit[0] = 'b'
      3 x= fruit.lower()
      4 print(x)

TypeError: 'str' object does not support item assignment
```

In [25]:
```python
greet = "hello bob"
print(len(greet))
```

```
9
```

In [28]:
```python
print(range(4))
```

```
range(0, 4)
```

In [29]:
```python
friends = ["joseph","Glenn","sally"]
print(len(friends))
```

```
3
```

In [31]:
```python
print(range(len(friends)))
```

```
range(0, 3)
```

In [34]:
```python
friends =("joseph", "Glenn" , "Sally")
for friend in friends :
    print("Happy new year", friend)
print("Done")
```

```
Happy new year joseph
Happy new year Glenn
Happy new year Sally
Done
```

In [35]:
```python
a = [1, 2, 3]
b = [4,5,6]
c= a+b
print(c)
```

```
[1, 2, 3, 4, 5, 6]
```

In [36]:
```python
print(a)
```

```
[1, 2, 3]
```

In [ ]: