In the class we learnt the basics of strings, in this file we'll learn more about them.

1-As you know, we can use the '+' operator on two or more strings and cocatenate them:

In [1]:
```
lyrics1 = "Autumn leaves"
lyrics2 = ",drift by my window, "
lyrics3 = "autumn leaves of red and gold."
```

In [2]:
```
lyrics = lyrics1 + lyrics2 + lyrics3
print(lyrics)
```

```
Autumn leaves,drift by my window, autumn leaves of red and gold.
```

One of the most common built-in functions in python is "len()" function. This function can take different data types as an argument, but if a string is passed as an argument, it returns the number of characters in the string or the length of the list:

In [3]:
```
name = "Robert Downey Jr"
```

In [4]:
```
print(len(name))
```

```
16
```

"split()" method, splits a string into a list using a seperator. If the seperator is not spedified, " " is considered as the default seperator:

In [5]:
```
lyrics
```

Out[5]:
```
'Autumn leaves,drift by my window, autumn leaves of red and gold.'
```

In [6]:
```
result = lyrics.split()
print(result)
```

```
['Autumn', 'leaves,drift', 'by', 'my', 'window,', 'autumn', 'leaves', 'of', 'red', 'and', 'gold.']
```

Let's see an example not using " " as the default seperator:

In [7]:
```
result = lyrics.split("a")
print(result)
```

```
['Autumn le', 'ves,drift by my window, ', 'utumn le', 'ves of red ', 'nd gold.']
```

In [8]:
```
print(lyrics)
```

```
Autumn leaves,drift by my window, autumn leaves of red and gold.
```

In [9]:
```
#Example of using the split method.
```

In [ ]:
```
x = input()
type(x)
x.split()
```

In [ ]:
```
data = input()
data = data.split()
if int(data[1]) >= 18:
    print("Hey you can enter!")
else:
    print("You are not allowed here")
```

We can use "upper()" method to be returned all the characters in upper case:

In [10]:
```
name = "edward thomas hardy"
upper_name = name.upper()
print(upper_name)
```

```
EDWARD THOMAS HARDY
```

Similarly, we can use "lower()" method to be returend with all characters in lower case:

In [11]:
```
name = "CHRISTIAN CHARLES PHILIP BALE"
lower_name = name.lower()
print(lower_name)
```

```
christian charles philip bale
```

In [ ]:
```

```

In [12]:
```
sentence = "    quick brown fox      "
print(sentence)
sentence = sentence.strip()
print(sentence)
```

```
    quick brown fox
quick brown fox
```

In [ ]:
```

```

In [ ]:
```

```

In [ ]:
```

```

In [ ]:
```

```

For more info visit the link below:
https://realpython.com/python-strings/