Practical 3.1

Do the slicing of a given String to generate various substring by passing different index (like positive index, negative index, end index > string length, entire string), split this string into chunks of length 3 using list comprehension, split the string with specific character, iterate over the words of string. Apply trim, toupper, tolower, replace string and character, title, join and other operations on String

Do the slicing of a given String to generate various substring by passing different index (like positive index, negative index, end index > string length, entire string)

```
In [65]: kat = "Kathan Majithia"
```

```
In [16]: kat[3:8]
```
Out[16]: 'han M'

```
In [17]: kat[-4]
```
Out[17]: 't'

```
In [18]: kat[2:20]
```
Out[18]: 'than Majithia'

```
In [19]: kat[::]
```
Out[19]: 'Kathan Majithia'

```
In [24]: kat[-3:]
```
Out[24]: 'hia'

Split this string into chunks of length 3 using list comprehension

```
In [28]: ind = [kat[i:i+3] for i in range(0,len(kat),3)]
```

```
In [30]: ind
```
Out[30]: ['Kat', 'han', ' Ma', 'jit' 'hia']

Split the string with specific character, iterate over the words of string.

```
In [81]: newkat = kat.split('a')
```

```
In [32]: for nk in newkat:
             print(nk,end=" ")
```
```
K th n M jithi
```

Apply trim, toupper, tolower, replace string and character, title, join and other operations on String

```
In [48]: nkat = " " + kat + " "
```

```
In [57]: nkat.strip()
```
```
Out[57]: 'Kathan Majithia'
```

```
In [51]: nkat.upper()
```
```
Out[51]: ' KATHAN MAJITHIA '
```

```
In [52]: nkat.lower()
```
```
Out[52]: ' kathan majithia '
```

```
In [54]: nkat.replace('a','o')
```
```
Out[54]: ' Kothon Mojithio '
```

```
In [56]: nkat.replace('than','thor')
```
```
Out[56]: ' Kathor Majithia '
```

```
In [75]: "i am groot".title()
```
```
Out[75]: 'I Am Groot'
```

```
In [82]: join = "a".join(newkat)
```

```
In [83]: join
```
```
Out[83]: 'Kathan Majithia'
```