Data_Preprocessing_NLP_Lowercase

The lower() method converts all uppercase characters in a string into lowercase characters and returns it.

In [1]:
```python
message = 'PYTHON IS FUN'
# convert message to lowercase
print(message.lower())
```

python is fun

In [2]:
```python
def lowering_string(text1):
    ven = text1.lower()
    return ven
text1 = "How to Convert a String to Lowercase using"
lowering_string(text1)
```

Out[2]: 'how to convert a string to lowercase using'

In [3]:
```python
string = "THIS SHOULD BE LOWERCASE!"
print(string.lower())
```

this should be lowercase!

In [4]:
```python
# all alphabets should be lowercase
string = "Th!s Sh0uLd B3 L0w3rCas3!"
print(string.lower())
```

th!s sh0uld b3 l0w3rcas3!

Comparison of strings using lower() method

```
In [5]: # first string
        firstString = "PYTHON IS AWESOME!"

        # second string
        secondString = "PyThOn Is AwEsOmE!"

        if(firstString.lower() == secondString.lower()):

            print("The strings are same.")
        else:
            print("The strings are not same.")
```

The strings are same.

swapcase() function to convert string to lower_case

- Swap case converts lower letters to upper and upper letters to lower
- So, it is used only when all Letters are in upper case.

```
In [6]: s = 'MUNGI VENKATESH'
        print(s.swapcase())
```

mungi venkatesh

```
In [7]: def swapping(d):
            v = d.swapcase()
            return v
        d = "MUnGI VenKaTesH"
        swapping(d)
```

Out[7]: 'muNgi vENkAtESh'

casefold() function to convert string to lower_case

In [8]:
```python
v = 'MuNGi VenKatEsh'
print(v.casefold())
```

mungi venkatesh

In [9]:
```python
def folding(g):
    m = g.casefold()
    return m
g = "MUnGI VenKaTesH"
swapping(g)
```

Out[9]: 'muNgi vENkAtESh'

In [ ]: