

# Exp 3:Indexing

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Check Date:

```
In [11]: s='This Is My First Lecture'
```

```
In [12]: s
```

```
Out[12]: 'This Is My First Lecture'
```

```
In [13]: type(s)
```

```
Out[13]: str
```

```
In [14]: s.capitalize()
```

```
Out[14]: 'This is my first lecture'
```

```
In [15]: s.count('T')
```

```
Out[15]: 1
```

```
In [16]: s.count('t')
```

```
Out[16]: 2
```

```
In [17]: s
```

```
Out[17]: 'This Is My First Lecture'
```

```
In [18]: upper_s=s.upper()
```

```
In [19]: upper_s
```

```
Out[19]: 'THIS IS MY FIRST LECTURE'
```

```
In [20]: s.title()
```

```
Out[20]: 'This Is My First Lecture'
```

```
In [21]: s.find('T')
```

```
Out[21]: 0
```

```
In [22]: s.split('i')
```

```
Out[22]: ['Th', 's Is My F', 'rst Lecture']
```

```
In [23]: s.split('t')
```

```
Out[23]: ['This Is My Firs', ' Lec', 'ure']
```

```
In [24]: s.replace('t','s')
```

```
Out[24]: 'This Is My Firss Lecsure'
```

```
In [25]: s.title()
```

```
Out[25]: 'This Is My First Lecture'
```

```
In [26]: s
```

```
Out[26]: 'This Is My First Lecture'
```

```
In [27]: a='My Name Is Ravina Mane'
```

```
In [28]: a
```

```
Out[28]: 'My Name Is Ravina Mane'
```

```
In [29]: a[0]
```

```
Out[29]: 'M'
```

```
In [30]: a[5]
```

```
Out[30]: 'm'
```

```
In [31]: a[17]
```

```
Out[31]: ' '
```

```
In [32]: a
```

```
Out[32]: 'My Name Is Ravina Mane'
```

```
In [33]: a[0:1]
```

```
Out[33]: 'M'
```

```
In [34]: a[0:2]
```

```
Out[34]: 'My'
```

```
In [35]: a[17:12]
```

```
Out[35]: ''
```

```
In [36]: a[10]
```

```
Out[36]: ' '
```

```
In [37]: a[100]
```

```
-----  
IndexError
```

```
Traceback (most recent call last)
```

```
Cell In[37], line 1
```

```
----> 1 a[100]
```

```
IndexError: string index out of range
```

```
In [38]: a[12:100]
```

```
Out[38]: 'avina Mane'
```

```
In [39]: a[0:1000]
```

```
Out[39]: 'My Name Is Ravina Mane'
```

```
In [40]: a[ :12]
```

```
Out[40]: 'My Name Is R'
```

```
In [41]: a[ : ]
```

```
Out[41]: 'My Name Is Ravina Mane'
```

```
In [42]: a[0: ]
```

```
Out[42]: 'My Name Is Ravina Mane'
```

```
In [43]: rev=a[ : -1]
```

```
In [44]: rev
```

```
Out[44]: 'enaM anivaR sI emaN yM'
```

```
In [45]: a
```

```
Out[45]: 'My Name Is Ravina Mane'
```

```
In [46]: a[11:16]
```

```
Out[46]: 'Ravin'
```

```
In [47]: a[11:16][ : :-1]
```

```
Out[47]: 'nivaR'
```

```
In [48]: a[11:16][2]
```

```
Out[48]: 'v'
```

```
In [49]: a[13:14]
```

```
Out[49]: 'v'
```

```
In [50]: a[0:10]
```

```
Out[50]: 'My Name Is'
```

```
In [51]: a[0:11:2]
```

```
Out[51]: 'M aeI '
```

```
In [52]: s='ramesh patil'
```

```
In [53]: s[0:11]
```

```
Out[53]: 'ramesh pati'
```

```
In [54]: s[0:11:2]
```

```
Out[54]: 'rms ai'
```

```
In [55]: s[0:11:3]
```

```
Out[55]: 're t'
```

```
In [56]: s[11:16:2]
```

```
Out[56]: 'l'
```

```
In [57]: a
```

```
Out[57]: 'My Name Is Ravina Mane'
```

```
In [58]: a[11:16:2]
```

```
Out[58]: 'Rvn'
```

```
In [59]: a[17:22:3]
```

```
Out[59]: ' n'
```

```
In [60]: a[-1]
```

```
Out[60]: 'e'
```

```
In [61]: a[-10]
```

```
Out[61]: 'a'
```

```
In [62]: a[-1:-5]
```

```
Out[62]: ''
```

```
In [63]: a[-1:-5:-1]
```

```
Out[63]: 'enaM'
```

```
In [64]: a[-7:-12:-1][ : :-1]
```

```
Out[64]: 'Ravin'
```

```
In [65]: a[-12:-7:-1]
```

```
Out[65]: ''
```

```
In [66]: a
```

```
Out[66]: 'My Name Is Ravina Mane'
```

```
In [67]: a[-11:-6:1]
```

```
Out[67]: 'Ravin'
```

```
In [68]: a[-7:-12:-1][ : :-1]
```

```
Out[68]: 'Ravin'
```

```
In [69]: a[11:17]
```

```
Out[69]: 'Ravina'
```

## Input Output Function

```
In [70]: print('hi')
```

```
hi
```

```
In [71]: a=10
```

```
In [72]: print(a)
```

```
10
```

```
In [73]: a=10
```

```
In [74]: b=20
```

```
In [75]: print(a+b)
```

```
30
```

```
In [76]: print('Value of a:',a)
```

```
Value of a: 10
```

```
In [77]: input('Enter a:')
```

```
Enter a:12
```

```
Out[77]: '12'
```

```
In [78]: input('Enter name')
```

```
Enter nameRavina
```

```
Out[78]: 'Ravina'
```

```
In [79]: input('Enter a:')  
         input('Enter b:')
```

```
Enter a:12
```

```
Enter b:13
```

```
Out[79]: '13'
```

```
In [ ]: a=input('Enter a:')  
        b=input('')
```