

```
In [2]: #Extracting and slicing:-
```

```
In [3]: my_str = "Python is a high level of programming language."  
my_str
```

```
Out[3]: 'Python is a high level of programming language.'
```

```
In [4]: len(my_str)
```

```
Out[4]: 47
```

```
In [5]: my_str[5]
```

```
Out[5]: 'n'
```

```
In [6]: my_str[-1]
```

```
Out[6]: '.'
```

```
In [7]: my_str[15]
```

```
Out[7]: 'h'
```

```
In [8]: my_str[-3]
```

```
Out[8]: 'g'
```

```
In [45]: my_str[:]
```

```
Out[45]: 'Python is a high level of programming language.'
```

```
In [46]: my_str[0:]
```

```
Out[46]: 'Python is a high level of programming language.'
```

```
In [47]: my_str[:47]
```

```
Out[47]: 'Python is a high level of programming language.'
```

```
In [48]: my_str[:-1]
```

```
Out[48]: 'Python is a high level of programming language'
```

```
In [49]: my_str[::]
```

```
Out[49]: 'Python is a high level of programming language.'
```

```
In [50]: my_str[::1]
```

```
Out[50]: 'Python is a high level of programming language.'
```

```
In [51]: my_str[0::]
```

```
Out[51]: 'Python is a high level of programming language.'
```

```
In [52]: my_str[:47:]
```

```
Out[52]: 'Python is a high level of programming language.'
```

```
In [53]: my_str[:-1:]
```

```
Out[53]: 'Python is a high level of programming language'
```

```
In [54]: my_str[:-1:1]
```

```
Out[54]: 'Python is a high level of programming language'
```

```
In [55]: my_str[:47:1]
```

```
Out[55]: 'Python is a high level of programming language.'
```

```
In [56]: my_str[4:40]
```

```
Out[56]: 'on is a high level of programming la'
```

```
In [57]: my_str[-30:-5]
```

```
Out[57]: 'level of programming lang'
```

```
In [58]: my_str[10:36:2]
```

```
Out[58]: 'ahg ee fpormi'
```

```
In [59]: my_str[-40:-3:2]
```

```
Out[59]: 'i ihlvlo rgamn aga'
```

```
In [60]: my_str[10:30:5]
```

```
Out[60]: 'ahe '
```

```
In [61]: my_str[-45:15]
```

```
Out[61]: 'thon is a hig'
```

```
In [62]: my_str[::10]
```

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

```
In [63]: my_str[-47::10]
```

```
Out[63]: 'Paern'
```

```
In [64]: my_str[::15]
```

```
Out[64]: 'Phre'
```

```
In [66]: #Reversing, extracting and slicing:-
```

```
In [67]: my_str[::-1]
```

```
Out[67]: '.egaugnal gnimmargorp fo level hgiH a si nohtyP'
```

```
In [70]: my_str[::-2]
```

```
Out[70]: '.gunlgimropf ee ghas otP'
```

```
In [75]: my_str[-2:-40:-1]
```

```
Out[75]: 'egaugnal gnimmargorp fo level hgiH a s'
```

```
In [76]: my_str[-4:-45:-5]
```

```
Out[76]: 'almoeish'
```

```
In [ ]:
```