

```
In [1]: text="ice cream"

In [2]: text
Out[2]: 'ice cream'

In [3]: text[0]
Out[3]: 'i'

In [4]: text[1]
Out[4]: 'c'

In [6]: ## IN PYTHON TEXT IS NOT MUTABLE WHEREAS NUMBER ARE MUTABLE
text[0]='y'

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TypeError                                Traceback (most recent call last)
<ipython-input-6-329e435cf083> in <module>
      1 ## IN PYTHON TEXT IS NOT MUTABLE WHEREAS NUMBER ARE MUTABLE
      2
----> 3 text[0]='y'

TypeError: 'str' object does not support item assignment

In [7]: text[0:9]
Out[7]: 'ice cream'

In [15]: text='hello'
text_1="ragul"

In [16]: text
Out[16]: 'hello'

In [17]: text_1
Out[17]: 'ragul'

In [12]: text='let's learn python'

File "<ipython-input-12-0f4664f6c9c2>", line 1
      text='let's learn python'
              ^
SyntaxError: invalid syntax

In [18]: text="let's have a dicssussion"

In [19]: text
Out[19]: "let's have a dicssussion"

In [20]: text="omg" i feel nervous'

In [21]: text
Out[21]: '"omg" i feel nervous'

In [25]: address=''raghul,
mavadi vinayagar kovil street,
royapettah,
chennai-14 ''

In [26]: address
Out[26]: 'raghul,\nmavadi vinayagar kovil street,\nroyapettah,\nchennai-14 '

In [27]: print(address)

raghul,
mavadi vinayagar kovil street,
royapettah,
chennai-14

In [28]: firstname='raghul'
lastname='dhanapani'

In [29]: fullname=firstname+' '+lastname

In [30]: fullname
Out[30]: 'raghul dhanapani'

In [31]: team='total number of players in a team'

In [47]: type(team)
Out[47]: str

In [32]: team
Out[32]: 'total number of players in a team'

In [33]: no_of_players=15

In [34]: type(no_of_players)
Out[34]: int

In [40]: int_str=str(no_of_players)

In [41]: int_str
Out[41]: '15'

In [43]: type(int_str)
Out[43]: str

In [46]: print(team+' '+int_str)

total number of players in a team 15

list

In [51]: ###old method

item1='bread'
item2='vegetables'
item3='pasta'
item4='briyani'
print(item1+' '+item2+' '+item3+' '+item4)

bread vegetables pasta briyani

In [52]: ## by list
items=['bread','vegetables','pasta','briyani','noodles']

In [53]: items
Out[53]: ['bread', 'vegetables', 'pasta', 'briyani', 'noodles']

In [56]: items[0:3]
Out[56]: ['bread', 'vegetables', 'pasta']

In [58]: items[2]='chips'

In [59]: items
Out[59]: ['bread', 'vegetables', 'chips', 'briyani', 'noodles']

In [60]: items[-1]
Out[60]: 'noodles'

In [61]: items.append('biscuits')

In [62]: items
Out[62]: ['bread', 'vegetables', 'chips', 'briyani', 'noodles', 'biscuits']

In [64]: items.insert(1,'chcolates')

In [65]: items
Out[65]: ['bread', 'chcolates', 'vegetables', 'chips', 'briyani', 'noodles', 'biscuits']

In [66]: items[0],items[5]=items[5],items[0]

In [67]: items
Out[67]: ['noodles', 'chcolates', 'vegetables', 'chips', 'briyani', 'bread', 'biscuits']

In [68]: cricket_acesories=['bat','ball','stumps']
internal_acesories=['pad','kneeguard','gloves','guard','helmet']

In [69]: cricket_acesories
Out[69]: ['bat', 'ball', 'stumps']

In [70]: internal_acesories
Out[70]: ['pad', 'kneeguard', 'gloves', 'guard', 'helmet']

In [71]: total_acesories=cricket_acesories+internal_acesories

In [72]: total_acesories
Out[72]: ['bat', 'ball', 'stumps', 'pad', 'kneeguard', 'gloves', 'guard', 'helmet']

In [73]: len(total_acesories)
Out[73]: 8

In [74]: 'thighpad'in total_acesories
Out[74]: False

In [75]: 'stumps' in total_acesories
Out[75]: True

In [ ]:
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