

16/07/2025

① a = "Rama Rao"
Print(a) # 'Rama Rao'
Print(type(a)) # class: 'str.'
Print(id(a)) # reference address of a
b = 'Hyd'
Print(b) # 'Hyd'

c = "Hyd is green city.
Hyd is hitech city.
Hyd is beautiful city."
Print(c) # 'Hyd is green city
Hyd is hitech city
Hyd is beautiful city.'

② a = 'Hyd'
Print(~~the value of~~ a[0])
Print(a[1])
Print(a[2])
Print(a[3]) # Error, there is no a[3] value
Print(a[-1])
Print(a[-2])
Print(a[-3])
Print(a[-4]) # Error, have values upto a[-3] only.
Print(a[0] == a[-3]) # True
a[2] = 'c' # Error, Due to string was immutable.

```
Print('25[0]') # '2'
Print('25[0]') # error
Print('True[0]') # error
Print('True[0]') # 1
```

③ a = 'Hyd'

```
Print(a*3) # 'HydHydHyd'
Print(a*2) # 'HydHyd'
Print(a*1) # 'Hyd'
Print(a*-1) # 1
Print(-25*3) # 75
Print('25'*3) # '252525'
Print('25'*4.0) # error
Print(3*'Hyd') # 'HydHydHyd'
Print('25'*True) # '25'
```

④ len() Function

```
Print(len('Hyd')) # 3
Print(len('Rama Rao')) # 8
Print(len('9247')) # 4
Print(len('')) # 0
Print(len(889)) # error, Int is not a length.
```

⑤ len function

```
Print(a) # 'Hyd'
Print(len(a)) # 3
Print(a[0]) # 'H'
Print(''''Hyd'''') # 'Hyd'
b = '''Hyd'''
Print(b) # 'Hyd'
Print(len(b)) # 3
```

⑥ a = 'Sankar Dayal Sarma'

```
Print(a[7:12]) # 'Dayal'
Print(a[7:]) # 'Dayal Sarma'
Print(a[:6]) # 'Sankar'
Print(a[:]) # 'Sankar Dayal Sarma'
Print(a[:1]) # 'Sankar Dayal Sarma'
Print(a[1:10:2]) # 'akr dyal'
Print(a[0:12]) # 'Sankar Dayal Sarma'
Print(a[1:12]) # 'ankar dyal Sarma'
Print(a[5:-1]) # 'araks yal armas'
Print(a[-1:-5:-1]) # 'armas'
Print(a[::-2]) # 'araks dyal Sarma'
Print(a[3:-3]) # 'ar Dayal S'
Print(a[3:3]) # ''
```


⑦ a = 10

Print(a[0]) # error

Print(a[1:2]) # error

⑧ int()

Print(int(10.8)) # float 10.8 to int 10

Print(int(True)) # bool True to int 1

Print(int(False)) # bool False to int 0

Print(int('251')) # str 251 to int 251

Print(int('00751')) # str 00751 to int 751

Print(int('0B11010')) # bin 26 to int 26

Print(int('006247')) # octal 3255 to

Print(int('006247')) # octal 3255 to

Print(int('0XA7B9')) # hexa decimal 42937

Print(int('0XA7B9')) # hexa decimal 42937

Print(int('0XA7B9')) # error

Print(int('0XA7B9')) # error