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Assignment Number	01

```
txt-      "Hi
there Sami"
s=
txt.split(
) print(s)
```

```
      ['Hi','there' , Sami ' ]
/planet="earth"
diameter=12742 print( 'The diameter of {Y is 0
kilometers. .format(planet,diameter));
```

```
      The diameter of earth is 12742 kilometers .
lst=[1,2,[3,4],
a=lst[3][1][2]; [5, [100,200,['hello']],23,11],1,7]
print(a)
      ['hello']
```

```
      ' : t'ohi , 'man' , 'inception ' , target':[1,2 3,,
'hello' ]}}}}print(dt 'kl [3] ["tricky"] [3] ' target' [3]
) hello
```

```
import numpy as np
array=np. zeros( 10)
print("An array of
10      zeros:      ")
print(array)
array=np.ones(10)
print("An array of 1
ones:      ")
print(array)      ar
ray=np.ones
print("An array of 10
fives:" print(array)
```

```
An array of 10 zeros :
      0. 0. 0. 0. 0. 0. 0. 0.
An array of 10 ones :
```

```

1. 1. 1. 1. 1. 1. 1. 1. [1. 1.1
An array of 10 fives:
5. 5. 5. 5. 5. 5. 5. 5.
5.5 .1

```

```

import numpy as np array=np. arange(20
,34,2)"array of all the even integer from
20 to 35 ") print(array)

```

```

array of all the even integer from
20 to 35 [20 22 24 26 28 30 32]

```

```

import numpy as np

```

```
x= np.arange(0,9). reshape(3 ,3)
print(x)
[[0 1 2]
 [3 4 5]
 [6 7 8]]
```

```
a=np.array([1,2,3])
b=np.array([4,5,6])
arr=np.stack((a,b), axis=1)
print(arr)
```

```
import pandas as pd
data={'name':['a','b','c'],
df=pd.DataFrame(data, columns=['name', 'Age'], 19))
print(df)
```

```
name Age
0 a 20
1 b 21
2 c 19
```

```
from datetime import timedelta,
date
```

```
def daterange(date1,
date2):
    for n in range(int ((date2
- date1).days)+1 ): yield
date1 + timedelta(n)
```

```
start_dt = date(2022, 2, 10)
end_dt = date(2022, 2, 10)
for dt in daterange(start_dt,
end_dt): print(dt.strftime(
"%Y-%m-%d"))
```

```
2022-01-01
2022-01-02
2022-01-03
2022-01-04
2022-01-05
2022-01-06
2022-01-07
2022-01-08
2022-01-09
2022-01-10
```

2022-01-11
2022-01-12
2022-01-13
2022-01-14
2022-01-15
2022-01-16
2022-01-17
2022-01 -18
2022-01 -19
2022-01 -20
2022-01 -21
2022-01 -22
2022-01 -23
2022-01 -24
2022-01 -25
2022-01 -26
2022-01 -27
2022-01 -28
2022-01 -29
2022-01 -30
2022-01 -31
2022-02-01
2022-02-02
2022-02-03
2022-02-04
2022-02-05
2022-02-06
2022-02-07
2022-02-08
2022-02-09
2022-02-10

```
import pandas as pd
t=[[1,'aaa ',22] , (2, 'bbb' ,25],[3,
•      ccc      ',24]]      df
pd.DataFrame(list,c0lumns=[ a ,
'b','c')print(df)
```

	a	b	c
0	aaa	22	
1	2	bbb	
25			
2	3	ccc	24