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Assignment Number	01

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

```
[ ' Hi ' , ' there' , 'Sami']
```

```
/planet="earth"
```

```
diameter= 12742 print( 'The diameter of O is O kilometers. • .
format(planet,diameter));
```

```
The diameter of earth is 12742 kilometers .
```

```
.2, [3 , 4) , [5, [100,200, [ 'hello • .23, 11] , 1 ,7]
```

```
pr int(a)
```

```
[ 'hello']
```

```
: , 'man' , 'inception , { ' target' :[1,2,3• hello'
• kl [3] ["tricky"] [31[ 'target' ][3]]
```

```
hello
```

```
import numpy as np ar ray=np.
```

```
zeros( 10) print("An array of 10
```

```
zeros: " ) print(array) ar ray=np.
```

```
ones(10) print("An array of 10
```

```
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. 0. 0.]
```

```
An array of 10 ones:
```

```
[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.]
```

```
import numpy as np
array=np.arange( 20 ,34, 2)
print("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- array([1,2,3])
np. array([4,5,6])
p.stack((a,b),axis=1)
banp. array([arrznp. ])
print(arr)
```

```
import pandas as pd
data={'name': ['a', 'b'],
df=pd.DataFrame(data). 'c 'Age': [20,21]
print(df)
```

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

```
from datetime import timedelta, date
def daterange(datel , date2):
    for n in range(int ((date2 - datel).days)+1):
        yield datel + timedelta(n)
start_dt end_dt date(2022, 2, 10) for dt
in 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
list=[[1, 'aaa', 22], [2, 'bbb', 25], [3, 'ccc', 24]]
df = pd.DataFrame(list, columns=['a', 'b', 'c'])
print(df)
```

```
   a  b  c  O  aaa
22  1  2  bbb  25
2  3  CCC  24
```