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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 O is {Y kilometers. • .
format(planet,diameter));
```

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

```
, 2, [3.4] , [5, [100,200, ['hello' n , 23, 1 1 1 , l .71
```

```
print(a)
```

```
[ 'hello' ]
```

```
d={'k1':[1,2,3,{'tricky':['oh', 'man' , inception ' , { 'target , 2,3, hello
```

```
print(dt • kl • [3] ["tricky" [3] [ ' target ) hello
```

```
'']}]}}}
```

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

```
print("An array of 10 fives :
print(array) "
```

```
An array of 10 zeros :
```

```
[0. 0. 0. 0. 0. 0. 0. 0. 0.
```

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

```
[1. 1. 1. 1. 1. 1. 1. 1. 1.
```

```
An array of 10 fives:
```

```
[5. 5. 5. 5. 5. 5. 5. 5. 5.
```

```
0. 0.]
```

```
1.1 . 1
```

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

```
aznp.array(tl , 2, 3])
b=np. array( (4, 5, 6] )
arr=np. tack((a,b) axis-l )
print(arr)
```

```
[3 611
```

```
import pandas as pd data-C name' : , 'b' 'c'], 'Age
• : [20,21 , 191} df=pd. DataFrame(data) pr int(df)
```

```
name Age o
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(2022,1,1)    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
```

```
df = pd.DataFrame({'a': ['aaa', 'bbb', 'ccc'], 'b': [22, 25, 24]})  
df
```

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