



```
s = "Hi there Sam!"  
s.split()  
|
```

```
['Hi', 'there', 'Sam!']
```

```
[40] planet = "Earth"  
      diameter = 12742  
  
      print("The diameter of {} is {} kilometers.".format(planet,diameter))
```

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

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

```
'hello'
```

```
[42] import numpy as np  
      array=np.zeros(10)  
      array
```

```
array([0., 0., 0., 0., 0., 0., 0., 0., 0., 0.])
```

```
[44] import numpy as np  
      array=np.ones(10)*5  
      array
```

```
[44] import numpy as np
      array=np.ones(10)*5
      array
```

```
array([5., 5., 5., 5., 5., 5., 5., 5., 5., 5.])
```

```
[49] import numpy as np
      array=np.arange(20,35,2)
      array
```

```
array([20, 22, 24, 26, 28, 30, 32, 34])
```

```
[50] import numpy as np
      a=np.arange(0,9).reshape(3,3)
      print(a)
```

```
[[0 1 2]
 [3 4 5]
 [6 7 8]]
```



```
import numpy as np
a=np.array([1,2,3])
b=np.array([4,5,6])
c=np.hstack((a,b))
c
```

```
array([1, 2, 3, 4, 5, 6])
```

```
data=[[ 'Guna',21],[ 'Chella',21],[ 'Blacky',21]]
df=pd.DataFrame(data,columns=[ 'Name', 'Age'])
df
```



Name Age




0 Guna 21

1 Chella 21

2 Blacky 21

```
[ ] import datetime
import pandas as pd
test_date =datetime.datetime.strptime("01-01-2023", "%d-%m-%Y")
a=41
date_generated=pd.date_range(test_date,periods=a)
print(date_generated.strftime("%d-%m-%Y"))
```

```
Index(['01-01-2023', '02-01-2023', '03-01-2023', '04-01-2023', '05-01-2023',
      '06-01-2023', '07-01-2023', '08-01-2023', '09-01-2023', '10-01-2023',
      '11-01-2023', '12-01-2023', '13-01-2023', '14-01-2023', '15-01-2023',
      '16-01-2023', '17-01-2023', '18-01-2023', '19-01-2023', '20-01-2023',
      '21-01-2023', '22-01-2023', '23-01-2023', '24-01-2023', '25-01-2023',
      '26-01-2023', '27-01-2023', '28-01-2023', '29-01-2023', '30-01-2023',
      '31-01-2023', '01-02-2023', '02-02-2023', '03-02-2023', '04-02-2023',
      '05-02-2023', '06-02-2023', '07-02-2023', '08-02-2023', '09-02-2023',
      '10-02-2023'],
      dtype='object')
```



```
import pandas as pd
lists = [[1, 'aaa', 22], [2, 'bbb', 25], [3, 'ccc', 24]]
df=pd.DataFrame(lists,columns=["S.no","Name","Age"])
df
```



	S.no	Name	Age
--	------	------	-----



0	1	aaa	22
---	---	-----	----

1	2	bbb	25
---	---	-----	----

2	3	ccc	24
---	---	-----	----