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

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

```
print("The diameter of {} is {} kilometers.".format(planet,diameter))
```

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

```
d['k1'][3]['tricky'][3]['target'][3]
```

```
'hello'
```

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

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

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

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

```python
import numpy as np
array=np.arange(20,35)
print("Array of the integers from 20 to 35")
print(array)
```

```
Array of the integers from 20 to 35
[20 21 22 23 24 25 26 27 28 29 30 31 32 33 34]
```

```
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])
```

```python
import pandas as pd
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 pandas as pd
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