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

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

```
planet="earth"
diameter=12742
print('The diameter of {} kilometers.'.format(planet,diameter));
```

```
The diameter of earth kilometers.
```

```
lst=[1,2,[3,4],[5,[100,200,['hello']],23,11],1,7]
a=lst[3][1][2];
print(a)
```

```
['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 10 ones:")
print(array)
array=np.ones(10)*5
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=np.array([1,2,3])
b=np.array([4,5,6])
arr=np.stack((a,b),axis=1)
print(arr)
```

```
[[1 4]
 [2 5]
 [3 6]]
```

```
import pandas as pd
data={'name':['a','b','c'],'Age':[20,21,19]}
df=pd.DataFrame(data)
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 + timelta(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"))
```

Double-click (or enter) to edit

```
import pandas as pd
list=[[1,'aaa',22],[2,'bbb',25],[3,'ccc',24]]
print(df)
```

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

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