

```
In [1]: s="Hi there Sam!"
s=s.split()
print(s)

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

```
In [2]: planet = "Earth"
diameter = 12742
print( "the diameter of {} is {} kilometers.".format(planet,diameter));

The diameter of Earth is 12742 kilometers.
```

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

hello
```

```
In [ ]:
```

```
In [3]: import numpy as np
array=np.zeros(10)
print("An array of 10 zeros:")
print(array)
```

An array of 10 zeros:
[0. 0. 0. 0. 0. 0. 0. 0. 0. 0.]

```
In [4]: array=np.ones(10)*5
print("An array of 10 fives:")
print(array)
```

An array of 10 fives:
[5. 5. 5. 5. 5. 5. 5. 5. 5. 5.]

```
In [5]: import numpy as np
array=np.arange(20,36,2)
print("Array of all the even integers from 20 to 35")
print(array)
```

Array of all the even integers from 20 to 35
[20 22 24 26 28 30 32 34]

```
In [6]: import numpy as np
x = np.arange(0, 9).reshape(3,3)
print(x)
```

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

```
In [1]: import numpy as np
arr1 = np.array([1,2,3])
arr2 = np.array([4,5,6])
arr = np.concatenate((arr1, arr2))
print(arr)
[1 2 3 4 5 6]
```

```
In [5]: import pandas as pd
lists = [[1, 'aaa', 22], [2, 'bbb', 25], [3, 'ccc', 24]]

df = pd.DataFrame(lists)
df
```

```
Out[5]:
```

	0	1	2
0	1	aaa	22
1	2	bbb	25
2	3	ccc	24

```
In [ ]:
```