```python
In [1]: import numpy as np
```

```python
In [2]: a= np.array([[1,2,3],[4,5,6],[7,8,9]])
```

```python
In [3]: np.shape(a)
```
Out[3]: (3, 3)

```python
In [4]: a.dtype
```
Out[4]: dtype('int32')

```python
In [5]: a[1]
```
Out[5]: array([4, 5, 6])

```python
In [6]: a[1,:]
```
Out[6]: array([4, 5, 6])

```python
In [7]: a[1,1:]
```
Out[7]: array([5, 6])

```python
In [8]: a[:1,1:]
```
Out[8]: array([[2, 3]])

```python
In [9]: a.tolist()
```
Out[9]: [[1, 2, 3], [4, 5, 6], [7, 8, 9]]

```python
In [10]: b=a[1,1:]
```

```python
In [11]: b.fill(2)
```

```python
In [12]: b
```
Out[12]: array([2, 2])

```python
In [13]: np.abs(a)
```
Out[13]: array([[1, 2, 3],
               [4, 2, 2],
               [7, 8, 9]])

```python
In [14]: np.min(a)
```
Out[14]: 1

```
In [15]:  ▶| c=np.array([[2,2,2],[2,2,2],[2,2,2]])
```

```
In [16]:  ▶| np.multiply(a,c)
```

```
Out[16]: array([[ 2,  4,  6],
                [ 8,  4,  4],
                [14, 16, 18]])
```