In [3]:

```
import numpy as np
```

In [4]:

```
numeros = [1,2,3,4]
```

In [6]:

```
array = np.array(numeros)
```

In [7]:

```
array
```

Out[7]:

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

In [8]:

```
np.arange(1,20)
```

Out[8]:

```
array([ 1,  2,  3,  4,  5,  6,  7,  8,  9, 10, 11, 12, 13, 14, 15, 16, 17,
       18, 19])
```

In [9]:

```
np.arange(0,30,4)
```

Out[9]:

```
array([ 0,  4,  8, 12, 16, 20, 24, 28])
```

In [10]:

```
np.zeros(5)
```

Out[10]:

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

In [11]:

```
np.ones(5)
```

Out[11]:

```
array([1., 1., 1., 1., 1.])
```

In [12]:

```
np.ones((3,2))
```

Out[12]:

```
array([[1., 1.],
       [1., 1.],
       [1., 1.]])
```

In [13]:

```
np.linspace(0,50,5)
```

Out[13]:

```
array([ 0. , 12.5, 25. , 37.5, 50. ])
```

In [14]:

```
np.random.randint(0,100,5)
```

Out[14]:

```
array([38, 79, 28, 33,  2])
```

In [15]:

```
array= np.random.randint(0,100,10)
```

In [16]:

```
array
```

Out[16]:

```
array([29,  9, 48, 15, 53, 98, 37, 48,  4, 29])
```

In [17]:

```
array.max()
```

Out[17]:

```
98
```

In [18]:

```
array.argmax()
```

Out[18]:

```
5
```

In [19]:

```
array.min()
```

Out[19]:

```
4
```

In [20]:

```
array.mean()
```

Out[20]:

```
37.0
```

In [21]:

```
array
```

Out[21]:

```
array([29,  9, 48, 15, 53, 98, 37, 48,  4, 29])
```

In [22]:

```
array.reshape(5,2)
```

Out[22]:

```
array([[29,  9],
       [48, 15],
       [53, 98],
       [37, 48],
       [ 4, 29]])
```

In [23]:

```
array
```

Out[23]:

```
array([29,  9, 48, 15, 53, 98, 37, 48,  4, 29])
```

In [24]:

```
array=array.reshape(5,2)
```

In [25]:

```
array
```

Out[25]:

```
array([[29,  9],
       [48, 15],
       [53, 98],
       [37, 48],
       [ 4, 29]])
```

In [26]:

```
array[2,0]
```

Out[26]:

```
53
```

In [27]:

```
array[0,1]
```

Out[27]:

```
9
```

In [28]:

```
filtro= array>30
array2=array[filtro]
```

In [29]:

```
array2
```

Out[29]:

```
array([48, 53, 98, 37, 48])
```

In [ ]:

In [ ]: