

```
import numpy as np
```

```
list1=[10,20,30]  
print(list1)
```

```
↵ [10, 20, 30]
```

```
np.array(list1)
```

```
↵ array([10, 20, 30])
```

```
list2=[10,20,"30"]  
np.array(list2)
```

```
↵ array(['10', '20', '30'], dtype='<U21')  
  
np.zeros(5)
```

```
↵ array([0., 0., 0., 0., 0.])
```

[+ Code](#)[+ Text](#)

```
np.zeros(5,int)
```

```
↵ array([0, 0, 0, 0, 0])
```

```
x=np.ones(5)  
print(x)
```

```
↵ [1. 1. 1. 1. 1.]
```

```
x[2]="xyz"
```

```
↵ -----  
ValueError                                Traceback (most recent call last)  
  <ipython-input-8-de19d5349443> in <cell line: 1>()  
    ----> 1 x[2]="xyz"  
  
ValueError: could not convert string to float: 'xyz'
```

Next steps:

[Explain error](#)

```
x1=np.zeros(10)  
x1.dtype
```

```
↵ dtype('float64')
```

```
y1=np.zeros(10,int)  
y1.dtype
```

```
↵ dtype('int64')
```