

How to create an one-dimensional array with zero values

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Command

```
import numpy as np  
x_1x=np.zeros(1)
```

Result

```
x_1x= [0.]  # shape (1, ) array (Note: this is not a (1,1) array)
```

Code

Create a shape (1,) array

```
import numpy as np  
  
# x_1x=np.zeros((1))  
x_1x=np.zeros(1)  
print('x_1x = ', x_1x, ' x_1x shape=', x_1x.shape)  
print('x.ndim = ', x.ndim)
```

Result

```
x_1x = [ 0.] x_1x shape= (1,)
```

```
x.ndim = 1
```

References

- <https://docs.scipy.org/doc/numpy-1.13.0/reference/generated/numpy.zeros.html>
- <https://stackoverflow.com/questions/9814226/error-extracting-element-from-an-array-python>