

## [**atomic\_coder**](https://www.instagram.com/atomic_coder/)

Day 4 [#100daysofcode](https://www.instagram.com/explore/tags/100daysofcode/) challenge  
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Today with this challenge ..............  
I learnt Numpy module in python, watched tutorial on youtube by Keith Galli for the same.  
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NumPy is a Python library used for working with N-dimensional arrays i.e matrices.  
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It also has functions for working in domain of linear algebra, fourier transform, statistics.  
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The array object in NumPy is called ndarray. We can create a NumPy ndarray object by using the array() function.  
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To create a data item import the library as:  
'import numpy as np'  
and then create an array as : np.array([....])  
  
There are various functions in numpy using which we can manipulate the arrays. Some of them are : np.shape(), np.zeros(), np.ones(), np.identity(),  
np.reshape(), np.transpose(), np.floor(), np.ceil(), np.rint(), np.sum(), np.prod(), np.eye(), np.concatenate() and many more.  
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The source code for NumPy is located at this github repository https://github.com/numpy/numpy  
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That's it for today..✌️  
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Thank you 😉  
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Happy Coding : )  
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