

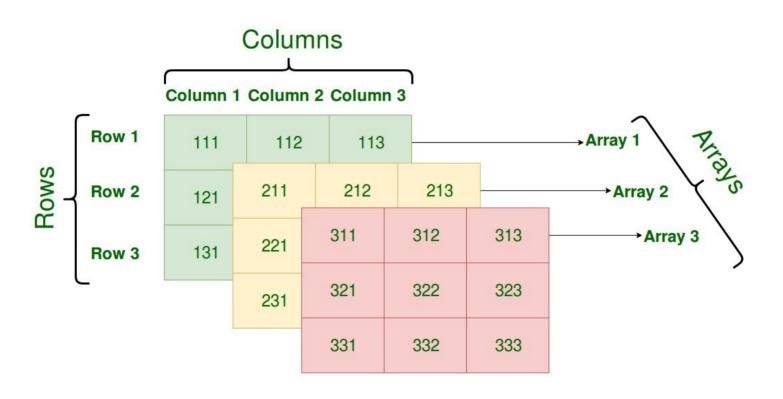
What is NumPy

 NumPy is a Python libriary used for working with arrays. It also has functions for working in domain of linear algebra, fourier transform, and matrices.

Why NumPy?

- It's fast
- Is the core library for scientific computing in Python.
- Backbone of other Python scientific packages
- It provides a high-performance multidimensional array object, and tools for working with these arrays

Multidimensional Array



What are we going to cover?

- Most useful funtions in numpy
- Numpy datatypes & attributes
- Creating numpy
- Veiwing arrarys and matrices
- Manipulating and comparing arrays

What are we going to cover?

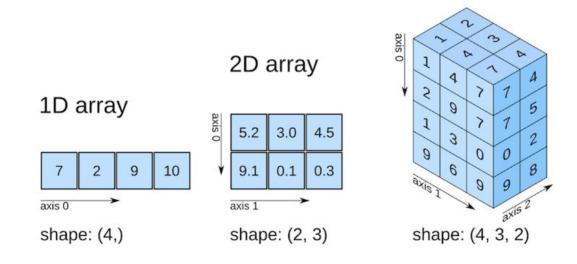
- Sorting arrays
- Use cases

How can you get help?

- Follow along with the code
- Try is yourself
- Search for it
- Try again
- Dont forget to ask

Let's Code!!

Anatomy of a numpy array

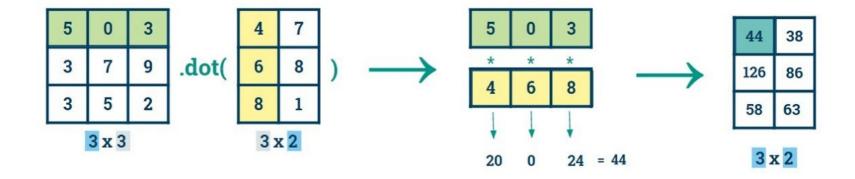


Dot Product in NumPy



Numbers on the inside must match

New size is same as outside numbers



Check out live demo@ www.matrixmultiplication.xyz