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# NumPy Getting Started

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## Installation of NumPy

If you have Python and PIP already installed on a system, then installation of NumPy is very easy.

Install it using this command:

```
C:\Users\Your Name>pip install numpy
```

If this command fails, then use a python distribution that already has NumPy installed like, Anaconda, Spyder etc.

## Import NumPy

Once NumPy is installed, import it in your applications by adding the **import** keyword:

```
import numpy
```

Now Numpy is imported and ready to use.

## Example

```
import numpy

arr = numpy.array([1, 2, 3, 4, 5])

print(arr)
```

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## NumPy as np

NumPy is usually imported under the `np` alias.

**alias:** In Python alias are an alternate name for referring to the same thing.

Create an alias with the `as` keyword while importing:

```
import numpy as np
```

Now the NumPy package can be referred to as `np` instead of `numpy`.

## Example

```
import numpy as np

arr = np.array([1, 2, 3, 4, 5])

print(arr)
```

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## Checking NumPy Version

The version string is stored under `__version__` attribute.

## Example

```
import numpy as np

print(np.__version__)
```

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