

ASSIGNMENT 1

NUMPY

numpy Arrays

Numpy arrays are the fundamental building blocks for numerical computing in Python. They provide efficient storage and manipulation of large datasets.

```
import numpy as np
```

```
# Creating a 1D numpy array
```

```
array_1d = np.array([1, 2, 3, 4, 5])
```

```
print("1D Array:", array_1d)
```

```
# Creating a 2D numpy array
```

```
array_2d = np.array([[1, 2, 3], [4, 5, 6]])
```

```
print("2D Array:\n", array_2d)
```