

NumPy Array Operations

1. Indexing in NumPy Arrays:

- Indexing allows you to access individual elements of an array using their position.

2. Slicing in NumPy Arrays:

- Slicing allows you to access a range of elements in an array using start:end.

3. Multi-Dimensional Array Indexing:

- NumPy allows 2D arrays (matrices) and accessing elements using [row, column].

4. Vectorized Operations:

- NumPy supports vectorized operations, meaning you can perform operations on entire arrays without loops.

5. Boolean Indexing:

- You can filter elements using conditions.