NumPy

NumPy is a Python package providing fast, flexible, and expressive data structures designed to make working with 'relationa' or 'labeled' data both easy and intuitive. It aims to be the fundamental high-level building block for doing practical, real world data analysis in Python.

Exercise

1. Write a NumPy program to create a 3x3 matrix with values ranging from 2 to 10.
   Expected Output:
   [[2 3 4]
   [5 6 7]
   [8 9 10]]
2. Write a NumPy program to create an array of integers from 20 to 50.
3. Write a NumPy program to create an array with values ranging from 1 to 50.

4. Write a NumPy program to convert a list and tuple into arrays.
5. Write a NumPy program to append values to the end of an array.

6. Write a NumPy program to create a 3X4 array and iterate over it.