NumPy Asessment

1. Load the "iris.csv" dataset and convert it to a NumPy array. Explor the data types and shapes of the array. Submit your code and observations.

2. Perform broadcasting operations on the iris dataset to standardize (z- score normalization) the numerical features. Submit the standardized NumPy array.

3. Compute the correlation matrix for the numerical features of the iris dataset using NumPy's linear algebra functions. Submit the correlation matrix and your code.

4. Implement a simple machine learning algorithm (e.g., k-Nearest Neighbors) using NumPy arrays and vectorized operations. Submit your code and evaluation metrics.

5. Perform any additional numerical operations or data manipulation tasks on the iris dataset using NumPy, and submit your code and findings.