1. Create a NumPy array of integers from 10 to 50 (inclusive).

2. Create a 3x3 NumPy array of all True values.

3. Create a 5x5 identity matrix.

4. Generate an array of 10 random float numbers between 0 and 1.

5. Create a 1D array of 15 numbers equally spaced between 0 and 5.

6. Reshape an array of 12 elements into a 3x4 matrix.

7. Replace all even numbers in the array [1, 2, 3, 4, 5, 6] with -1.

8. Extract all odd numbers from a 1D array ranging from 0 to 20.

9. Create a 2D array of shape (4, 5) and calculate the sum of each column.

10. Create two 3x3 arrays and perform element-wise multiplication.

11. Create an array from 1 to 100 and count how many numbers are divisible by both 3 and 5.

12. Normalize a NumPy array: subtract its mean and divide by its standard deviation.