Practice Day 11.5

1 . Create a 1D, 2D, and 3D NumPy array and print their dimensions and shapes.

2 . Create:

- an array of zeros of shape (3,3)
- an array of ones of shape (2,5)
- an array filled with 7

3 . Create an array of even numbers between 10 and 50 using `arange`.

4 . Create a 4×4 matrix from 0–15. Then , extract:

- the first row
- the last column
- a 2×2 subarray from the center

5 . Add a 1D array `[1,2,3]` to each row of a 3×3 matrix.

6 . Given two arrays `A` and `B`, compute:

- `(A + B) / 2`
- `A**2 + B**2`