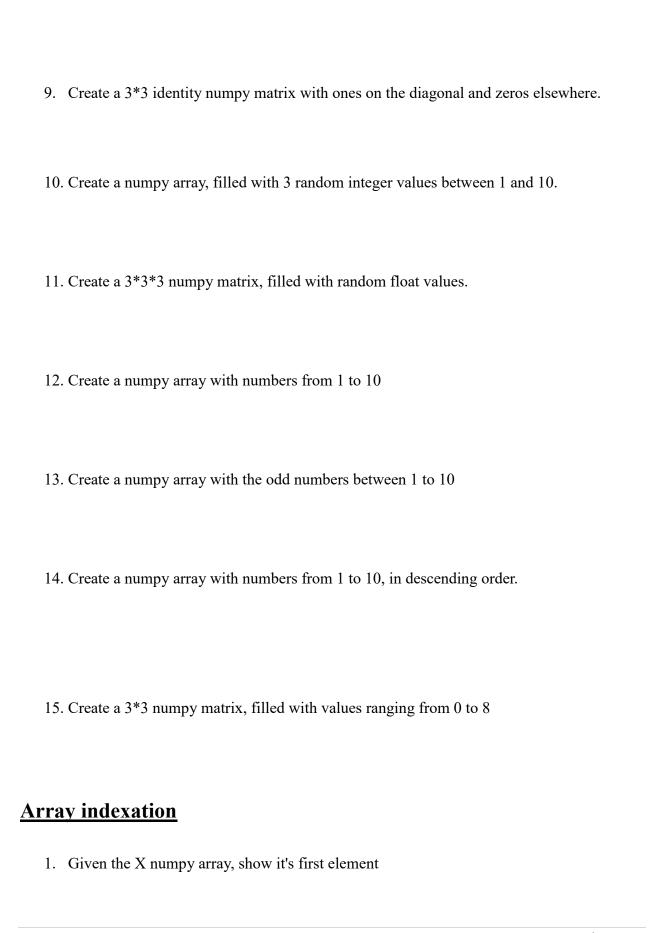
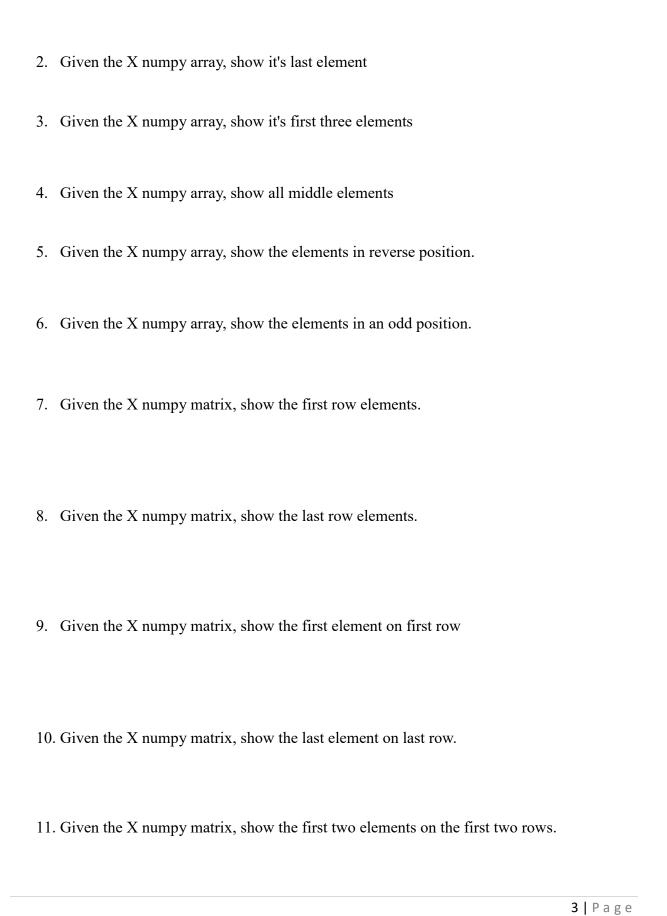
## **NumPy exercises**

## **Array creation**

1.	Create a numpy array of size 10, filled with zeros.
2.	Create a numpy array with values ranging from 10 to 49
3.	Create a numpy matrix of 2*2 integers, filled with ones.
4.	Create a numpy matrix of 3*2 float numbers, filled with ones.
5.	Given the X numpy array, create a new numpy array with the same shape and type as X, filled with ones.
6.	Given the X numpy matrix, create a new numpy matrix with the same shape and type as X, filled with zeros.
7.	Create a numpy matrix of 4*4 integers, filled with fives.
8.	Given the X numpy matrix, create a new numpy matrix with the same shape and type as X, filled with sevens.





12. Given the X numpy matrix, show the last two elements on the last two rows **Array manipulation** 1. Convert the given integer numpy array to float 2. Reverse the given numpy array (first element becomes last) 3. Given the X numpy array, set the fifth element equal to 1 4. Given the X numpy matrix, change the last row with all 1 5. Given the X numpy matrix, add 5 to every element