

numpy_lab

Q1- construct 1d numpy array, 2d numpy array, 3d numpy array.

Q2- Write a NumPy program to test whether any of the elements of a given array is non-zero. Hint use `any()`

Q3- Write a NumPy program to create an array of 10 zeros, 10 ones, 10 fives.

Q4- Write a NumPy program to create an array of 10 zeros 3d

Q5- Write a NumPy program to create an array of the integers from 30 to 70.

Q6- Write a NumPy program to create a 3x3 identity matrix.

Q7- Write a NumPy program to generate a random number between 0 and 1.

Q8- Write a NumPy program to create a 3X4 array using and iterate over it.

Q9- Write a NumPy program to create a 10x10 matrix, in which the elements on the borders will be equal to 1, and inside 0.