

Tasks

1. Create a vector with values ranging from 10 to 49. Reverse a vector (first element becomes last)
 2. Create a 5x5 array with random values. and find the minimum and maximum values
 3. Normalize a 5x5 random matrix
 4. Multiply a 5x3 matrix by a 3x2 matrix (real matrix product)
 5. How to get the dates of yesterday, today and tomorrow?
 6. Extract the integer part of a random array using 5 different methods
 7. **Create a structured array representing a position (x,y) and a color (r,g,b)**
1. Consider a generator function that generates 10 integers and use it to build an array
 2. **Consider two random array A and B, check if they are equal**
 3. **Consider a random vector with shape (100,2) representing coordinates, find point by point distances**
 4. **Subtract the mean of each row of a matrix**
 5. **How to I sort an array by the nth column?**
 6. **Compute a matrix rank**
 7. **Consider a 16x16 array, how to get the block-sum (block size is 4x4)**