

Questions for self-control

1. Define the dataset. Give a mathematical analogy.
2. Explain what is called the dimension of the array. Give rules for indexing array elements.
3. Describe the advertisement sequence array.
4. What actions you can perform on arrays, and the elements of the index array
5. Describe the principle of cycles when working with arrays.

Tasks for independent work

1. Find the largest element in the entire two-dimensional array, which entered from the keyboard.
2. Calculate the number of positive elements in the two-dimensional array of real, dimension of 4×4 , which entered from the keyboard.
3. Calculate the number of non-zero elements in a two-dimensional array of integers, dimension of 4×4 , which entered from the keyboard.
4. Calculate the number of zero elements in the two-dimensional array of integers, dimension of 4×4 , which entered from the keyboard.
5. Calculate the product of the positive elements in the one-dimensional arrays real, dimension 10, entered from the keyboard.
6. Find the maximum value in each line of real wood panels, dimensions of 4×4 , which entered from the keyboard.
7. replace the two-dimensional array of real, dimension of 4×4 , which entered from the keyboard, the values of the square root of the absolute value.
8. Find a row (column) with the greatest amount of elements in a two-dimensional array of 4×4 , which entered from the keyboard.
9. Find the sum of the 1st row and the product of the 2nd column two-dimensional array of real, dimension 3×4 , which entered from the keyboard.
10. In the two-dimensional array of real, dimension of 4×4 , which entered from the keyboard replace the largest element of the array sum elements of the 4th row (column).