The Coders Association Club

Q. No. 1
Write a program that takes 10 inputs as integers in an array of size 10.
and simply prints the output.

INPUT:
1 5 6 8 3 2 5 7 2 9

OUTPUT
1 5 6 8 3 2 5 7 2 9

Q. No. 2
Write a program that takes 10 inputs as integers in an array of size 10.
We have to find the frequency of any number k.

INPUT:
1 5 6 8 7 5 5 7 2 5
5

OUTPUT
4

Q. No. 3
Write a program that takes n sized inputs as integers in an array.
We've to find the largest element in an array, and also print the index of that largest element.

INPUT:
1 5 6 8 3 2 5 7 2 9

OUTPUT
9
9

Q. No. 4
Write a C++ program to check if an element is present in an array or not.

INPUT:
1 5 6 8 3 2 5 7 2 9
0

OUTPUT
NO

Q. No. 5
Write a C++ program to find the maximum and minimum element in an array(sized n).

INPUT:
10
1 5 6 8 3 2 5 7 2 9

OUTPUT
1 9

Q. No. 6
Write a C++ program to count the positive numbers in an array(sized n).

INPUT:
10
1 -5 6 -8 3 2 -5 7 2 9

OUTPUT
7

Q. No. 7
Write a C++ program to count and print the odd and even numbers separately in an array(sized n).
INPUT:

5
1 2 3 4 5
OUTPUT
1 3 5
2 4

Q. No. 8
Write a C++ program to count the number of 2's in a given array.

INPUT:
1 2 3 5 7 2 2 6 1 7 2 8 2 7 2
OUTPUT
6

Q. No. 9
Write a C++ program to reverse an array(sized n).

INPUT:
5
1 2 3 4 5
OUTPUT
5 4 3 2 1

Q. No. 10
Write a C++ program to print the sum and product of an array(sized n).

INPUT:
1 2 3 4 5 6 7 8 9 1 4 1 2
OUTPUT
Desired ouput....

Q. No. 11
Write a C++ program to print the Range and Coefficient of Range of an array.
HINT:
Range = (max - min)
Coefficient of Range = (max - min)/(max + min)

INPUT:
1 2 3 4 5 6 7 8 9 1 4 1 2
OUTPUT
8
0

Q. No. 12
Write a C++ program to sort an Unsorted array.(in ascending order)
HINT:
Use STL sort

INPUT:
1 2 3 4 5 6 7 8 9 1 4 1 2
OUTPUT

1 1 1 2 2 3 4 4 5 6 7 8 9

Q. No. 13
Write a C++ program to print odd and even numbers of an array of integers.
In such a way that even numbers would come first, and then odd numbers

INPUT:
0 1 3 4 5 6 7 8 10
OUTPUT
0 10 8 4 6 5 7 3 1

Q. No. 14
Write a C++ program to print positive and negative numbers of an array of integers.
In such a way that positive numbers would come first, and then negative numbers.

INPUT:
0 1 3 4 5 6 7 8 10
OUTPUT
0 10 8 4 6 5 7 3 1

Q. No. 15
Write a C++ program to sort an array in such a way that 0's comes first then 1's and then 2's.

INPUT:

0, 1, 1, 0, 1, 2, 1, 2, 0, 0, 0, 1
0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 2, 2

Q. No. 16

Write a C++ program to print the absolute difference of largest and smallest number in an array.

INPUT:
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0  1  3  4  5  6  7  8  10
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OUTPUT
10

Q. No. 17

Write a C++ program to sort an Unsorted array.(in descending order)
HINT:
Use STL sort

INPUT:
1 2 3 4 5 6 7 8 9 1 4 1 2
OUTPUT

9 8 7 6 5 4 4 3 2 2 1 1 1

Q. No. 18

Write a C++ program to sort an Unsorted array.(in descending order)
HINT:
Use STL sort

INPUT:
1 2 3 4 5 6 7 8 9 1 4 1 2
OUTPUT

9 8 7 6 5 4 4 3 2 2 1 1 1

Q. No. 19

Write a program in which we've to count the frequency of odd elements and even elements an array separately.

INPUT:
1 2 3 4 5 6 7 8 9

OUTPUT
5
4

Q. No. 20
Write a program to find the Kth largest and Kth smallest number in an array

INPUT:
7 10 4 3 20 15
3

OUTPUT
7

Strict Instructions:

• You all have to do these questions in your compiler and the Mentors will check anytime in the class.

• The codes written by the students should not be copied from anywhere.

I Repeat, No Plagiarism accepted.

All the Problems/explanations should be done in the compiler.

Regards,

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