NOI 2020 C++ Basics Course Assignments

Assignment 3

Upto note 6

Do the following tasks in the same code

Task 1

Create a vector of a type that can contain the following values and add following values to it.

10, 20, 30.5, 40, 50

Task 2

Print the size of the vector created above in the following format.

"Size of the vector is : 10"

Task 3

Pop the element at the back of the vector and print the value popped;

Task 4

Print the new last member of the vector and the new size of the vector in the same line (space separated)

Task 5

Remove all elements. Check and print if the statement "The vector is empty" is true or false.

Task 6

Create a new vector which can contain vectors of type int.

Tip : These are called 2D vectors.

Add following vectors to the created 2D vector

{1 ,2, 3, 4}

{10,23}

{1,2,3,6,7,8,9}