Goto: The C++ goto statement is also known as jump statement. It is used to transfer control to the other part of the program. It unconditionally jumps to the specified label.

It can be used to transfer control from deeply nested loop or switch case label.

#include <iostream>

**using** **namespace** std;

**int** main()

{

ineligible:

         cout<<"You are not eligible to vote!\n";

      cout<<"Enter your age:\n";

**int** age;

      cin>>age;

**if** (age < 18){

**goto** ineligible;

      }

**else**

      {

              cout<<"You are eligible to vote!";

      }

}

C++ Arrays

Like other programming languages, array in C++ is a group of similar types of elements that have contiguous memory location.

In C++ **std::array** is a container that encapsulates fixed size arrays. In C++, array index starts from 0. We can store only fixed set of elements in C++ array.

#include <iostream>

**using** **namespace** std;

**int** main()

{

**int** arr[5]={10, 0, 20, 0, 30};  //creating and initializing array

        //traversing array

**for** (**int** i = 0; i < 5; i++)

        {

            cout<<arr[i]<<"\n";

        }

}

Foreach loop:

**for** (**int** i: arr)

        {

            cout<<i<<"\n";

        }

# C++ Multidimensional Arrays

#include <iostream>

**using** **namespace** std;

**int** main()

{

**int** test[3][3];  //declaration of 2D array

    test[0][0]=5;  //initialization

    test[0][1]=10;

    test[1][1]=15;

    test[1][2]=20;

    test[2][0]=30;

    test[2][2]=10;

    //traversal

**for**(**int** i = 0; i < 3; ++i)

    {

**for**(**int** j = 0; j < 3; ++j)

        {

            cout<< test[i][j]<<" ";

        }

        cout<<"\n"; //new line at each row

    }

**return** 0;

}

#include <iostream>

**using** **namespace** std;

**int** main()

{

**int** test[3][3] =

    {

        {2, 5, 5},

        {4, 0, 3},

        {9, 1, 8}  };  //declaration and initialization

    //traversal

**for**(**int** i = 0; i < 3; ++i)

    {          **for**(**int** j = 0; j < 3; ++j)

     {

           cout<< test[i][j]<<" ";

        }

        cout<<"\n"; //new line at each row

    }

**return** 0;

}