Vector Cheet Sheets

// count num of occ in vec of a particular element

int k = nums1[i];

            int ans = std::count(nums2.begin(), nums2.end(), k);

            if (ans >= 1)

            {

                vec.push\_back(k);

            }

**How to remove element from a vector in C++**

#include <iostream>

#include <vector>

#include <string>

using **namespace** std;

**int** main()

{

    vector<**int**> vector1{ 1, 2, 3, 4, 5, 7,8 };

    vector<**string**> vector2 = {"java", "blog", "c++", "python", "code"};

    vector<**int**>::iterator it1, it2;

    vector <**string**>:: iterator it\_str1, it\_str2;

    cout<<"ORIGINAL INTEGER VECTOR ELEMENTS ARE: ";

**for** (auto it = vector1.begin(); it != vector1.**end**(); ++it)

        cout << ' ' << \*it;

    cout<<"\nORIGINAL STRING VECTOR ELEMENTS ARE:";

**for** (auto it = vector2.begin(); it != vector2.**end**(); ++it)

        cout << ' ' << \*it;

    it1 = vector1.begin()+1;  *//Giving the first position of the range*

    it2 = vector1.**end**()-2;  *//Marks the end position of the range*

*//Marking first and last positions for string vector*

    it\_str1= vector2.begin()+1;

    it\_str2= vector2.**end**()-2;

*//Removing the elements from the first and last positions.*

    vector1.erase(it1, it2);

    vector2.erase(it\_str1, it\_str2);

*//Printing the vectors after removing elements*

    cout<<"\nVECTORS AFTER REMOVAL:\n";

**for** (auto it = vector1.begin(); it != vector1.**end**(); ++it)

        cout << ' ' << \*it;

    cout<<"\n";

**for** (auto it = vector2.begin(); it != vector2.**end**(); ++it)

        cout << ' ' << \*it;

**return** 0;

}

**Int to string**

Int n=50;

String str=to\_string(n);

**Char to int;**

Int ans=str[i]-48; // Subtract from ASCII value