RAM RAM CODERS

Stl Learner Series—-----B.Search,UB,LB

-*Team Bro Coders*

**Code Used:-**

#include <bits/stdc++.h>

using namespace std;

int main()

{

vector<int> v;

v.push\_back(1);

v.push\_back(2);

v.push\_back(2);

v.push\_back(2);

v.push\_back(3);

v.push\_back(3);

v.push\_back(5);

v.push\_back(5);

v.push\_back(8);

for(auto x: v)

cout<<x<<" ";

cout<<endl;

cout<<"binary\_search of 3 :: "<<binary\_search(v.begin(), v.end(), 3)<<endl;

cout<<"binary\_search of 4 :: "<<binary\_search(v.begin(), v.end(), 4)<<endl;

cout<<"upper\_bound of 3 :: "<<upper\_bound(v.begin(), v.end(), 3)-v.begin()<<endl;

cout<<"lower\_bound of 3 :: "<<lower\_bound(v.begin(), v.end(), 3)-v.begin()<<endl;

cout<<"upper\_bound of 4 :: "<<upper\_bound(v.begin(), v.end(), 4)-v.begin()<<endl;

cout<<"lower\_bound of 4 :: "<<lower\_bound(v.begin(), v.end(), 4)-v.begin()<<endl;

vector<pair<int,int>> p;

p.push\_back({4,1});

p.push\_back({4,7});

pair<int,int> s= {4,9};

cout<<"upper\_bound of {4,5} :: "<<upper\_bound(p.begin(), p.end(), s)-p.begin()<<endl;

cout<<"lower\_bound of {4,5} :: "<<lower\_bound(p.begin(), p.end(), s)-p.begin()<<endl;

return 0;

}