RAM RAM CODERS

Stl Learner Series–Accumulator,Partial Sum

-*Team Bro Coders*

**Code Used:-**

#include <bits/stdc++.h>

using namespace std;

int comp(int x,int y)

{

cout<<"comparator "<<x<<" "<<y<<endl;

return x-y;

}

int main()

{

int a[5]={1,0,3,8,4};

int sum=0;

sum=accumulate(a,a+5,0);

cout<<"Sum of all elements of the array stored in sum = "<<sum<<endl;

cout<<"Sum + all elements again= "<<accumulate(a,a+4,sum)<<endl;

cout<<"Using comparator "<<accumulate(a,a+5,sum,comp)<<endl;

int b[5];

partial\_sum(a,a+5,b);

cout<<"\nPrefix array of a as stored in b"<<endl;

for(int i=0;i<5;i++) cout<<b[i]<<" " ;

cout<<endl;

cout<<"Prefix array on basis of comparator"<<endl;

partial\_sum(a,a+5,b,comp);

for(int i=0;i<5;i++) cout<<b[i]<<" ";

cout<<endl;

}