Construct Product Array without division operator: each element = product of elements in arr[] except arr[i]

#include<iostream>

using namespace std;

int main()

{

int a[10],n,b[10],temp=1;

cout<<"Enter the number of elements: ";

cin>>n;

cout<<"Enter the array elements\n";

for(int i=0;i<n;i++)

cin>>a[i];

for(int i=0;i<n;i++)

{

b[i] = temp;

temp \*= a[i];

}

temp = 1;

for(int i=n-1;i>=0;i--)

{

b[i] \*= temp;

temp \*= a[i];

}

cout<<"The product array of the given array which contains the product of all the element except the ith element is:\n";

for(int i=0;i<n;i++)

cout<<b[i]<<" ";

return 0;

}