Write a program for finding sum of diagonal of array..3x3

CODE:

#include <iostream>

using namespace std;

int diagonal(int array[][3])

{

int sum = 0;

for(int I = 0; I < 3; I++)

{

sum += array[I][I];

}

return sum;

}

int main()

{

int array[3][3] = {{1,2,3}, {1,3,4}, {2,3,4}};

cout<<"matrix is:";

for(int i=0;i<3;i++)

{

cout<<"\n";

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

{

cout<<array[i][j];

}

}

cout << "\nsum is " << diagonal(array) << " ";

    return 0;

}