**Task 1**

**Objective:**

Write a C++ Program that whether the two arrays are equal or not.

Declare two Integer Arrays with 7 elements, and fill up the array with keyboard input.

Test if every element in Array 1 is equal to corresponding element in Array 2. For example, the program should check A[0] = B[0], A[1] = B[1], and so on.

**PROGRAMME CODE**

#include<iostream>

using namespace std;

int main()

{

int firstArray[7];

int secondArray[7];

cout<<"First Array enter 7 elements: "<<endl;

for(int j=0;j<7;j++)

{

cin>>firstArray[j];

}

cout<<"Seond Array enter 7 elements: "<<endl;

for(int k=0;k<7;k++)

{

cin>>secondArray[k];

}

Cout<<"\n";

for(int i=0;i<7;i++)

{

if (firstArray[i]!=secondArray[i])

{

cout<<"A"<<"["<<firstArray[i]<<"]!= "<<"B"<<"["<<secondArray[i]<<"]";

cout<<" Both Arrays are not equal"<<endl;

}

else

{

cout<<"A"<<"["<<firstArray[i]<<"] = "<<"B"<<"["<<secondArray[i]<<"]";

cout<<" Both Arrays are equal"<<endl;

}

}

system ("pause");

return 0;

}

**Task 2**

**Objective:**

Write a C++ program to calculate the sum of each row, column of (2D) array of size 3x3

**PROGRAMME CODE**

#include<iostream>

#include<iomanip>

using namespace std;

int main(){

int my2Darray[3][3];

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

{

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

{

cout<<"["<<k<<"]["<<l<<"]=";

cin>>my2Darray[k][l];

}

}

system("cls");

cout<<"\n\n";

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

{

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

{

cout<<setw(5)<<my2Darray[m][n];

}

cout<<endl;

}

cout<<"\n\n";

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

{

int rowSum = 0;

int colSum = 0;

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

{

rowSum = rowSum + my2Darray[i][j];

colSum = colSum + my2Darray[j][i];

}

cout<<"Sum of "<<i<<" Row is : "<<rowSum<<endl ;

cout<<"Sum of "<<i<<" Column is : "<<colSum<<endl;

cout<<"\n";

}

system("pause");

return 0;

}