**ARRAYS-SUM OF TWO ARRAYS**

Take as input N, the size of array. Take N more inputs and store that in an array. Take as input M, the size of second array and take M more inputs and store that in second array. Write a function that returns the sum of two arrays. Print the value returned.

**Input Format:**

**Constraints:**

Length of Array should be between 1 and 1000.

**Output Format**

**Sample Input**

4

1 0 2 9

5

3 4 5 6 7

**Sample Output**

3, 5, 5, 9, 6, END

PROGRAM-

#include <iostream>

using namespace std;

int main() {

int n,m,i,j,q=0,sum=0,p;

cin>>n;

int \*a=new int[n];

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

{

cin>>a[i];

}

cin>>m;

int \*b=new int[m];

for(j=0;j<m;j++)

{

cin>>b[j];

}

p=max(n,m);

//cout<<p<<endl;

int \*c=new int[p];

if(m>=n)

{

j=n;

for(i=m-1;i>=0;i--)

{

j--;

sum=b[i]+a[j]+q;

c[i]=sum%10;

q=sum/10;

}

if(q>0)

{

cout<<q<<", ";

}

for(i=0;i<m;i++)

{

cout<<c[i]<<", ";

}

}

else

{

j=m;

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

{

j--;

sum=a[i]+b[j]+q;

//cout<<sum<<endl;

c[i]=sum%10;

q=sum/10;

}

if(q>0)

{

cout<<q<<", ";

}

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

{

cout<<c[i]<<", ";

}

}

cout<<"END"<<endl;

}