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Lab 2

Ques: Create 5 arrays of equal size. Insert elements in three of them (suppose A, B and C). In the fourth array insert the sum of the first two arrays. In the fifth array, subtract the elements from the fourth and the first array.

Source Code

```
/* Name: Hitendra Sisodia
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#include<bits/stdc++.h>
using namespace std;
int main()
{
    int n;
    cin>>n;
    int A[n],B[n],C[n],D[n],E[n];
    for(int i=0;i<n;i++){           //loop for inserting elements in 1st array
        cin>>A[i];
    }
    for(int j=0;j<n;j++){           //loop for inserting elements in 2nd array
        cin>>B[j];
    }
    for(int k=0;k<n;k++){           //loop for inserting elements in 3rd array
        cin>>C[k];
    }
    for(int i=0;i<n;i++){           //sum of 1st and 2nd array storing result in 4th array
        D[i]=A[i]+B[i];
    }
    for(int i=0;i<n;i++){           //subtraction 4th and 1st array result in 5th array
        E[i]=D[i]-A[i];
    }
    cout<<"4th Array"<<endl;
    for(int i=0;i<n;i++){
        cout<<D[i]<<" ";
    }

    cout<<endl;
    cout<<"5th Array"<<endl;
    for(int k=0;k<n;k++){
        cout<<E[k]<<" ";
    }
    return 0;
}
```

Output

```
3
1 2 3
4 5 6
7 8 9
4th Array
5 7 9
5th Array
4 5 6
```