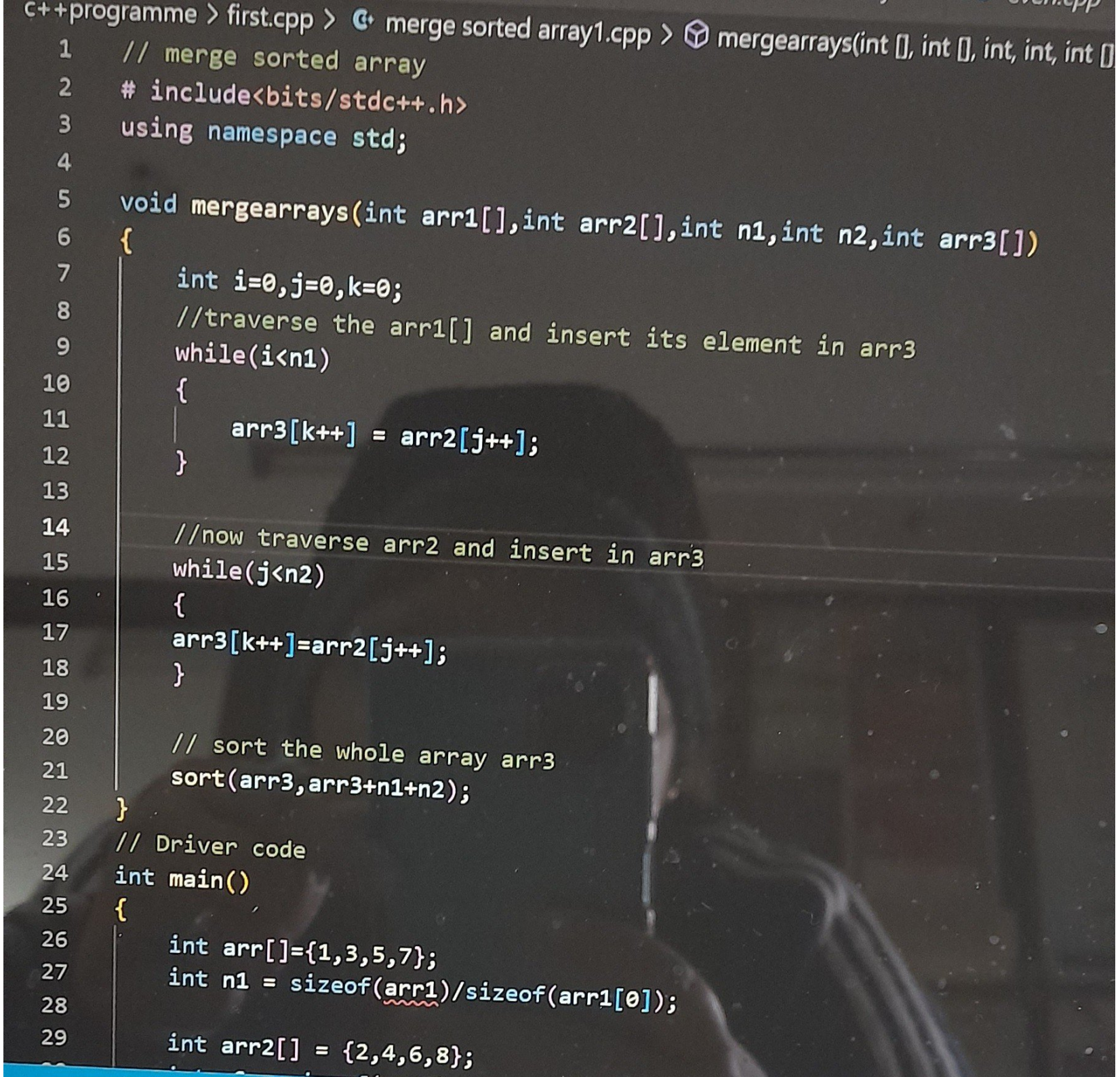
```cpp
//c++ program to find array product
# include<iostream>
# include<numeric>
using namespace std;

//user defined function that returns product of
//arr[] using accumulate() library function.
int arrayproduct(int a[],int n)
{
    int initialproduct = 1;
    return accumulate(a,a+n,initialproduct,multiplies<int>()
}

int main()
{
    int a[] = {5,10,15};
    int n = sizeof(a)/sizeof(a[0]);
    cout<<arrayproduct(a,n);
    return 0;
}
```


c++programme > first.cpp > merge sorted array1.cpp > mergearrays(int [], int [], int, int, int []
// merge sorted array
include<bits/stdc++.h>
using namespace std;
void mergearrays(int arr1[],int arr2[],int n1,int n2,int arr3[])
{
int i=0,j=0,k=0;
//traverse the arr1[] and insert its element in arr3
while(i<n1)
{
arr3[k++] = arr2[j++];
}
//now traverse arr2 and insert in arr3
while(j<n2)
{
arr3[k++]=arr2[j++];
}
// sort the whole array arr3
sort(arr3,arr3+n1+n2);
}
// Driver code
int main()
{
int arr[]={1,3,5,7};
int n1 = sizeof(arr1)/sizeof(arr1[0]);
int arr2[] = {2,4,6,8};

```
20      // sort the whole array arr3
21      sort(arr3,arr3+n1+n2);
22  }
23  // Driver code
24  int main()
25  {
26      int arr[]={1,3,5,7};
27      int n1 = sizeof(arr1)/sizeof(arr1[0]);
28
29      int arr2[] = {2,4,6,8};
30      int n2 = sizeof(arr2)/sizeof(arr2[0]);
31
32      int arr3[n1+n2];
33      mergearrays(arr1,arr2,n1,n2,arr3);
34
35      cout<<"array after merging"<<endl;
36      for(int i=0;i<n1+n2;i++)
37          cout<<arr[3]<<" ";
38
39      return 0;
40  }
```