

Answer on Question#52413, Programming, C++

Write a C++ program that reads 20 integers into an array, and then reverse the values in place, i.e., swap the values of the first and last element, second and second-to-last, etc.

Answer:

```
#include <iostream>

using namespace std;
int main() {
    int numbers[20];
    int i;
    for(i=0;i<20;i++)
    {
        cout<<"Input element #"<<i+1<<": ";
        cin>>numbers[i];
    }

    cout<<"Source array:"<<endl;
    for(i=0;i<20;i++)
        cout<<numbers[i]<<" ";

    int temp;
    for(i=0;i<10;i++)
    {
        temp=numbers[i];
        numbers[i]=numbers[19-i];
        numbers[19-i]=temp;
    }

    cout<<endl<<"Reverse array:"<<endl;
    for(i=0;i<20;i++)
        cout<<numbers[i]<<" ";
    return 0;
}
```