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**Class:** FYMCA

**Division:** A

**Subject:** Data Structures

**Assignment:** Write a program in c++ to delete an element from an array. Update the index also.  
**Code:**

//Program: - Write a program in c++ to delete an element from an array. Update the index also.

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```
#include<iostream>
```

```
using namespace std;
```

```
void showArray(int arr[],int size) {
```

```
    //cout<<"Saved Array is \n";
```

```
    for(int i=0;i<size;i++) {
```

```
        cout<<arr[i]<<"\n";
```

```
    }
```

```
}
```

```
void deleteElement(int value, int arr[], int length) {
```

```
    for(int i=0;i<length;i++) {
```

```
        if(value==arr[i]) {
```

```
            cout<<"Element Found\n";
```

```
            for(int j=i;j<length-1;j++) {
```

```
                arr[j]=arr[j+1];
```

```
            }
```

```
            length--;
```

```
            break;
```

```
        }
```

```
        else if(i==length-1){
```

```
            cout<<"Element not present in given Array";
```

```
        }
```

```
    }
```

```
    cout<<"Array After Deleting Element\n";
```

```
    showArray(arr,length);
```

```

}

int main() {
    int n,deleteValue;

    cout<<"Enter number of elements ";

    cin>>n;

    int arr[n];

    for(int i=0;i<n;i++) {
        cout<<"Enter "<<i+1<<"th Element :";

        cin>>arr[i];

    }

    cout<<"Recorded Details \n";

    showArray(arr,n);

    cout<<"Please Enter the Element which you would like to delete = ";

    cin>>deleteValue;

    deleteElement(deleteValue, arr, n);

    return 0;

}

```

**Output: -**

```

Enter number of elements 5
Enter 1th Element :1
Enter 2th Element :2
Enter 3th Element :3
Enter 4th Element :4
Enter 5th Element :5
Recorded Details
1
2
3
4
5
Please Enter the Element which you would like to delete = 3
Element Found
Array After Deleting Element
1
2
4
5
-----
Process exited after 11.84 seconds with return value 0
Press any key to continue . . .

```