

remove the duplicate elements in an unsorted array

input:

```
{1, 4, 3, 2, 5, 4, 6, 2, 7}
```

output:

```
{1, 4, 3, 2, 5, 6, 7}
```

program:

```
#include <iostream>
```

```
#include <unordered_map>
```

```
using namespace std;
```

```
void remove_duplicate_elements(int arr[], int n)
{
```

```
    unordered_map<int, bool> mp;
```

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

```
        if (mp.find(arr[i]) == mp.end()) {
            cout << arr[i] << " ";
        }
```

```
        mp[arr[i]] = true;
    }
}
```

```
int main(int argc, char const* argv[])
{
    int n;
    cin >> n;
    int arr[n];
    int i;
    for(i = 0; i < n; i++)
    {
        cin >> arr[i];
    }
    remove_duplicate_elements(arr, n);
    return 0;
}
```