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C++ (GCC)

```

1
2 #include<iostream>
3 using namespace std;
4
5 int a[100], i, j, n, count=0;
6 void reverse(int a[], int n) {
7     int i, j;
8     for(i=0, j=n-1; i<j; i++, j--) {
9         swap(a[i], a[j]);
10    }
11 }
12 int main() {
13     int n;
14     cin >> n;
15     for(i=0; i<n; i++) {
16         cin >> a[i];
17     }
18     reverse(a, n);
19     for(i=0; i<n; i++) {
20         cout << a[i] << " ";
21     }
22     cout << endl;
23     return 0;
24 }
25
26 // Print the reverse of the array elements.
27
28

```

2220

Open File

✓ Custom Input

Run

Custom Input

123

Status: Successfully executed Date: 2020-06-09 17:06:18 Time: 0 sec Mem: 9424 KB

Input

123

Output

```

enter the size of the array:
enter the array elements:
2037152
3
3
3
456

```

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Write a C program to count distinct elements in an array

Shrawani M S
HAI918050
F section

Algorithm

Step 1: Start

Step 2: Input n

Step 3: Repeat for (i=0; i<n; i++)
input a[i]
input o[i]
end for

Step 4: Repeat for (i=0; i<n; i++)
Repeat for (j=0; j<=i; j++)
if (a[i] == a[j])
break

if (i==j)

break count++

end for

end for

Step 5: Output Count

Step 6: Stop

Flowchart

