Question **1**

Correct

Mark 1.00 out of 1.00

Find Duplicate in Array.

Given a read only array of n integers between 1 and n, find one number that repeats.

Input Format:

First Line – Number of elements

n Lines – n Elements

Output Format:

Element x – That is repeated

For example:

Input	Result
5 1 1 2 3 4	1

Answer: (penalty regime: 0 %)

```
1  #include<stdio.h>
2  int main()
3  {
4      int e;
5      scanf("%d",&e);
6      int a[e];
7      for(int n=0;n<e;n++)
8      {
9          scanf("%d",&a[n]);
10     }
11     for(int i=0;i<=e-2;i++)
12     {
13         for(int j=i+1;j<=e-1;j++)
14         {
15             if(a[i]==a[j])
16             {
17                 printf("%d",a[j]);
18             }
19         }
20     }
21 }
```

	Input	Expected	Got	
✔	11 10 9 7 6 5 1 2 3 8 4 7	7	7	✔
✔	5 1 2 3 4 4	4	4	✔
✔	5 1 1 2 3 4	1	1	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.