**Day-40 of the #101 days of coding challenge----**

**Problem—**

**find the minimum missing element in the input array.**

**Code:-**

#include <iostream>

using namespace std;

void swap(int \*a, int \*b)

{

int temp;

temp = \*a;

\*a = \*b;

\*b = \*a;

}

void sorting(int \*arr, int n)

{

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

{

for(int j = 0; j<n-i-1; j++)

{

if(arr[j] > arr[j+1])

{

swap(&arr[j], &arr[j+1]);

}

}

}

}

int missingMinimumElement(int \*arr, int n)

{

sorting(arr,n);

int i;

for(i = 0; i<n; i++)

{

if(arr[i]<arr[i+1] && arr[i+1] != arr[i]+1)

{

cout<<arr[i]+1<<endl;

break;

}

}

}

int main() {

int n;

cout<<"Enter the size of the array"<<endl;

cin>>n;

int arr[n];

cout<<"Enter the elements"<<endl;

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

{

cin>>arr[i];

}

cout<<"Minimum missing element is:"<<endl;

missingMinimumElement(arr,n);

return 0;

}

Output:-

