**Day-38 of the #101days of coding challenge-------**

**//Original array: 4 1 5 9 12 9 22 45 7**

**//Next Greater Element:**

**//4: 5**

**//1: 5**

**//5: 9**

**//9: 12**

**//12: 22**

**//9: 22**

**//22: 45**

**//45: -1**

**//7: -1**

**Code:-**

#include<iostream>

using namespace std;

int nextMostPowerFulElement(int \*arr, int n)

{

int i, j, tempArray;

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

{

tempArray = -1;

for(j = i+1; j<n; j++){

if(arr[i] < arr[j])

{

tempArray = arr[j];

break;

}

}

cout<<arr[i]<<"--->"<<tempArray<<endl;

}

}

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<<"Completed array---->"<<endl;

nextMostPowerFulElement(arr, n);

return 0;

}

Output:-

