CP Club 365Days Challenge

Date – 05/12/2022
Programming language – c++

Problem Statement

https://practice.geeksforgeeks.org/problems/largest-number-with-given-sum-1587115620/1?page=2&category[]=Greedy&sortBy=submissions

Your Code:

```cpp
// 0x49Day of 0x365Days challenge
// VEDANT BHARAD
// 05-12-2022
//{ Driver Code Starts
#include <bits/stdc++.h>
using namespace std;
// } Driver Code Ends
// Function to return Largest Number
class Solution
{
    public:
    //Function to return the largest possible number of n digits
    //with sum equal to given sum.
    string largestNumber(int n, int sum)
    {
        if(9*n<sum)
        {
            return "-1";
        }
        else {
            string numtoret;
            for(int loop=0;loop<n;loop++)
            {
                if(sum==0)
                {
                    numtoret+='0';
                }
                else if(sum>=9)
                {
                    numtoret+='9';
                    sum=sum-9;
                }
                else if(sum<9){
                    numtoret+=to_string(sum);
                    sum=0;
                }
            }
            return numtoret;
        }
    }
};
//{ Driver Code Starts.
int main()
{
    //taking testcases
    int t;
    cin>>t;
    while(t--)
    {
        //taking n and sum
        int n,sum;
        cin>>n>>sum;
```
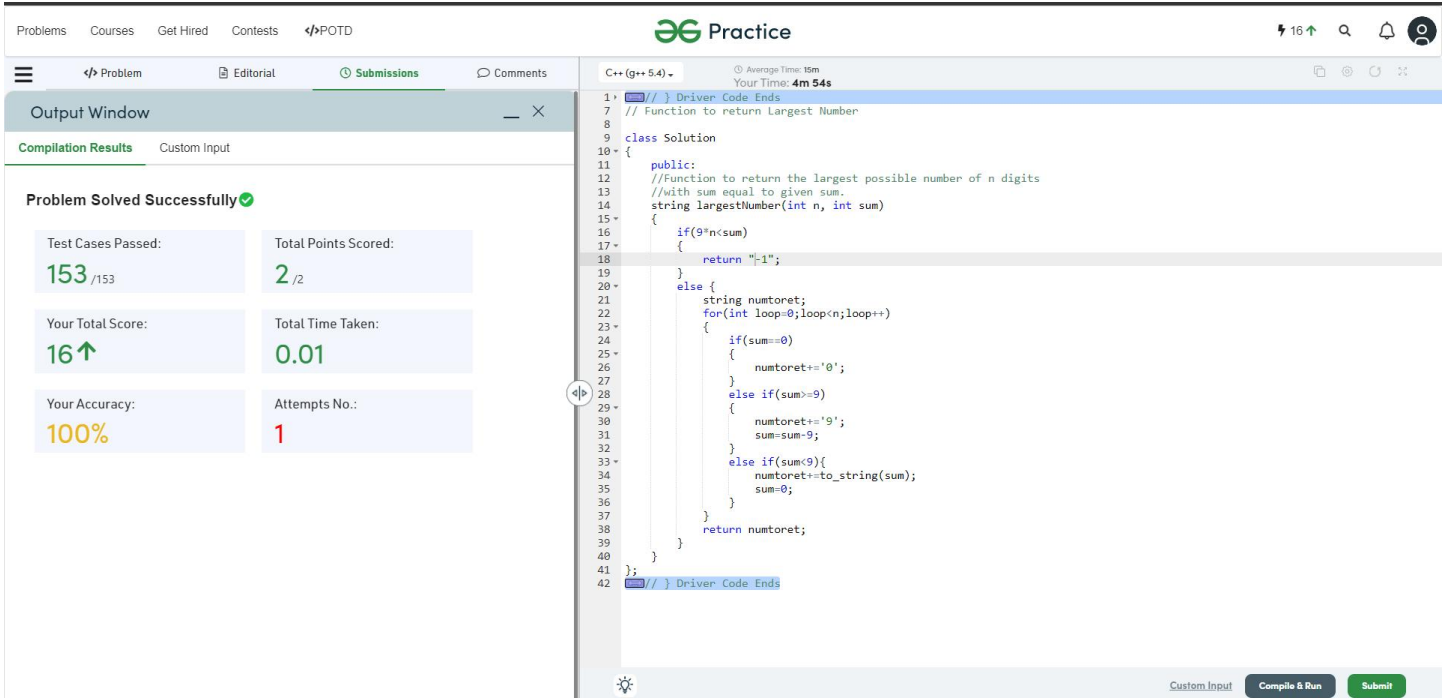
```
        Solution obj;
        //function call
        cout<<obj.largestNumber(n, sum)<<endl;
    }
    return 0;
}
// } Driver Code Ends
```

Output (Screen Shot):

Understanding about problem:

In this task I need to make password form that two input N and S and return as a string

Note: If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

ALL THE BEST
Team CP Club