
 Marwadi University	Marwadi University Faculty of Technology Department of Information and Communication Technology	
Sem : 3	Name : VEDANT BHARAD	
Day : 49	Date : 05/12/2022	Enrollment No: 92100133023

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

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Your Code:

```
// 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-->0)
    {
        //taking n and sum
        int n,sum;
        cin>>n>>sum;
```

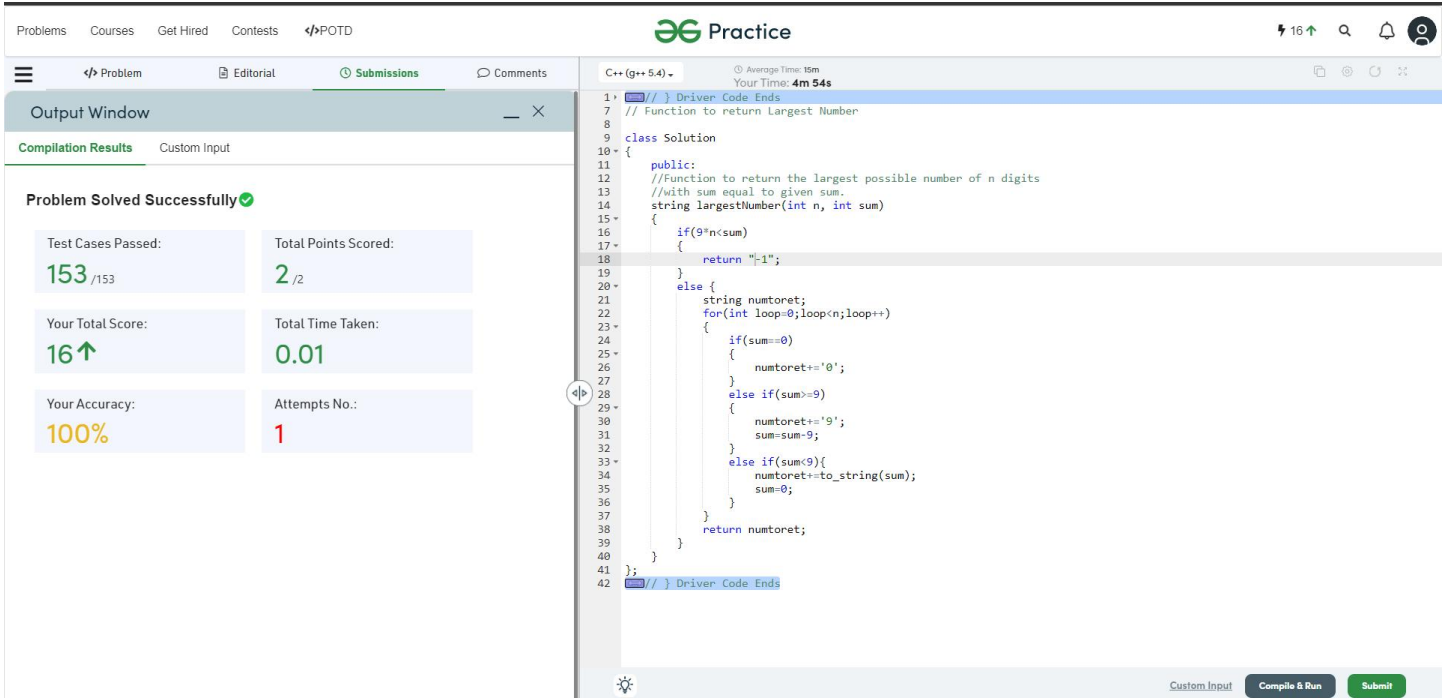
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```

Solution obj;
//function call
cout<<obj.largestNumber(n, sum)<<endl;
}
return 0;
}
// } Driver Code Ends

```

Output (Screen Shot):



The screenshot shows a C++ practice platform interface. On the left, the 'Output Window' displays 'Problem Solved Successfully' with a green checkmark. Below this, statistics are shown: Test Cases Passed: 153/153, Total Points Scored: 2/2, Your Total Score: 16 (up arrow), Total Time Taken: 0.01, Your Accuracy: 100%, and Attempts No.: 1. The main editor shows C++ code for a 'largestNumber' function. The code defines a 'Solution' class with a 'largestNumber' method that uses a loop to build a string of digits based on the sum of digits. The code is highlighted in blue, indicating it is the selected solution. The bottom of the editor has buttons for 'Custom Input', 'Compile & Run', and 'Submit'.

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