



VoidStarIndia
Imagine. Innovate. Secure.

VoidStarIndia Problem Statements

You may choose to solve any single part or a combination of any parts of the problem statements. We will accept partial solutions as well, feel free to share the attempted source code.

Please take note of these points while submitting.

- While submitting please create a zip of all the relevant **source, project and solution files**.
- Try to avoid inclusion of debug related files like .pdb or .vs files.
- If the entire zip size is huge (greater than 200Mb), please add the zip in your Google drive and simply share the link to the same in a text file, so that we can access it.

Native C / CPP

String Manipulation:

Write a program to store this string "India is my country"

Then concatenate another string "All Indians are my brothers and sisters"

Print the updated string and its length.

File I/O :

Place a Test.txt file with the following content :

"Hello World, Welcome to Pune"

- Write a program to
 1. Read this file's content in a buffer using File IO api's.

2. (Optional step) Modify the content of the file to "Hello World, Welcome to VSI, Pune"
3. Write the modified content into a new file named Output.txt
- Write a program to add the following string to the end of file Test.txt

", Maharashtra".

Hence the modified Test.txt should look like :

"Hello World, Welcome to Pune, Maharashtra"

Data Structures and algorithms:

- Store information as much information about the planets in our solar system, like Name , approximate weight, dimensions of the planet, etc in any data structure.
- Write code to find the heaviest planet.
- Sort the planets with respect to their sizes using any algorithm
- Sort the planets according to their weights using any algorithm