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***SUNSTONE LEARNING PHASE***

***DAY 1 (08/04/2025)***

* ***Orientation Classes***
* ***Introductions***
* ***Attend the Metting on Google Meet***
* ***Create a New GitHub Account via Sunstone***
* Make an Attractive Profile
* Solve Questions and Upload it on GitHub

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***SUNSTONE LEARNING PHASE***

***DAY 2 (09/04/2025)***

* ***Moddle Access***
* How to Used Moodle
* How to Solve Problems on Moodle
* ***Solve Problems***
* Basic of Java
* Array in Java
* String in Java
* ***Group Discussions***

Topic: Connected and Isolation by AI

* ***Attend Meeting******via Google Meet***

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***SUNSTONE LEARNING PHASE***

***DAY 3 (10/04/2025)***

* ***How to delivered the lecture during class***
* Body Lanuages
* Tones
* Confidence
* Voice
* Reasearch
* Fluency
* ***Start your lecture from***
* Introductions
* What ? Where ? How ?
* Content
* Engagement with Students
* Advantages and Disadvantages
* Conclusions
* ***Solving Problems on Moodle***
* Basic Stack Operations
* LinkedList
* Tree’s Question like (Preorder, Inorder, Postorder Traversal)
* ***Solving Problems on OnlineGDB Compiler***
* Arm Strong Number
* Perfect Number
* ***Upload GDB Online Code on GitHub***
* ***Start to Learn Python***
* Python Variable and Data Types
* Python Control Statements
* Type Casting in Python
* Pyhton If Else
* Loops (For, While, Continue, Break)
* **Prepared the Research Topic**

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***SUNSTONE LEARNING PHASE***

***DAY 4 (11/04/2025)***

* ***Solving Moodle Problems***
* Stack Implementation through the LinkedList
* Binary Tree Height Calculation
* Unordered Linear Search
* Sorted Linear Search
* Binary Search with Recursion
* Selection Sort and Comparison
* ***Presentation about SUNSTONE***
* Fun activity
* Indian data of High - Educated people
* Faculty Member
* ***Induction Session***
* About SUNSTONE
* Policy of SUNSTONE
* Explain HROne Portal

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***SUNSTONE LEARNING PHASE***

***DAY 5 (14/04/2025)***

* ***GDB Online Compiler***
* Selection Sort
* Insertion Sort
* Binary Search
* ***Push Question on GitHub***
* ***Question on Moodle almost Done***
* Except Graph Representation
* ***Learn Graph on YouTube***
* ***Preparation of Teach Back Session***
* Java
  + Basic of Java
  + Data Type in Java
  + Loops in Java
  + Some Questions
  + Array in Java
  + Some Questions
* ***Tech Back Session***
* Syntax of Java
* Data Type in Java
* Loops in Java
* Questions: Sum of Digits
* Recursions
* Array in Java
* String in Java
* ArrayList
* Sorting(Selection Sort, Insertion Sort)
* Searching (Binary Search)
* OOPS

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***SUNSTONE LEARNING PHASE***

***DAY 6 (15/04/2025)***

* ***Solving Problems on Online GDB Compiler***
* ***Explain the concept of my friends***
* ***Almost Done Moodle Questions***
* ***Reading a Graph***
* ***Fellowship (ACE Academy Sessions)***
* ***Solving & Done DSA Competitive Questions***
* Maximum Water Container Problems
* Hologram Maximum Area of Rectangle Problems

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***SUNSTONE LEARNING PHASE***

***DAY 7 (16/04/2025)***

* ***Solving Moodle Problems***
* ***Code Deployed on GitHub***
* ***Explained the Question***
* Histogram (Find Maximum Area of Rectangle in Histogram)
* Explaining Questions
* Write a Code from Scratch
* Explained the Code in Well Mannered Way.
* ***Solve Leetcode Problems***
* [Count the Digits That Divide a Number](https://leetcode.com/problems/count-the-digits-that-divide-a-number)
* [Check If Two String Arrays are Equivalent](https://leetcode.com/problems/check-if-two-string-arrays-are-equivalent)
* ***Solving Coding Problems on Online GDB Compiler***
* Prime Number in Given Range
* ***One to One Sessions by Harjot sir***

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***SUNSTONE LEARNING PHASE***

***DAY 8(17/04/2025)***

* ***Fellowship Accademy Sessions (Speak Up Sprint)***
* My topic is USB
* ***Questions Solve on Online GDB Compiler***
* Separate Vowels and Consonants from the Given String
* GCD of Two Numbers
* Area and Parameter of Rectangle by Using a Rectangle Class to implement a OOPS Concepts
* Solve a Questions ***nPr*** and ***nCr*** (Permutations and Combinations)
* *Solving Questions on LeetCode*
* [Two Sum II - Input Array Is Sorted](https://leetcode.com/problems/two-sum-ii-input-array-is-sorted)
* [Fraction to Recurring Decimal](https://leetcode.com/problems/fraction-to-recurring-decimal)
* [Count Equal and Divisible Pairs in an Array](https://leetcode.com/problems/count-equal-and-divisible-pairs-in-an-array)

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***SUNSTONE LEARNING PHASE***

***DAY 9(18/04/2025)***

* ***Moodle Problems Solve***
* Find the Anagram
* Explained this on Board

import java.util.\*;

public class GroupAnagrams {

public static List<List<String>> groupAnagrams(String[] strs) {

List<List<String>> result = new ArrayList<>();

for (String str : strs) {

boolean placed = false;

String sortedStr = sortString(str);

for (List<String> group : result) {

if (sortString(group.get(0)).equals(sortedStr)) {

group.add(str);

placed = true;

break;

}

}

if (!placed) {

List<String> newGroup = new ArrayList<>();

newGroup.add(str);

result.add(newGroup);

}

}

return result;

}

private static String sortString(String s) {

char[] chars = s.toCharArray();

Arrays.sort(chars);

return new String(chars);

}

public static void main(String[] args) {

Scanner sc = new Scanner(System.in);

int n = sc.nextInt();

String[] strs = new String[n];

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

strs[i] = sc.next();

}

List<List<String>> result = groupAnagrams(strs);

System.out.println(result);

}

}

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***SUNSTONE LEARNING PHASE***

***DAY 9(18/04/2025)***

* ***Who is a Teacher***

A **teacher** is someone who helps others learn new knowledge, skills, or values. Teachers guide students through lessons, provide explanations, give feedback, and inspire curiosity and critical thinking.

* ***What are the quality of teacher***
* Unbiasedness
* Life Long Learner
* Creative
* Passions
* A teacher should respect to student too.
* ***Who was your favorite teacher & why***

Raghav sir, a teacher of College Wallah because of the I don’t have any prior knowledge of computer programming till my graduation because of I have not a subject as a computer programming language, by the Raghav sir I have a strong command in programming language and explained the concept in practical way and with the example.

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***SUNSTONE LEARNING PHASE***

***DAY 10(19/04/2025)***

* ***Solve Questions on Online GDB Compiler***
* Anagram in List (Solve & Dry Run)

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***SUNSTONE LEARNING PHASE***

***DAY 11(20/04/2025)***

* ***Solve Question on Online GDB Compiler***
* Rotate Array nth Order
* Remove Duplicacy
* ***Solve Question on LeetCode***
* Count Symmetric Integers
* Check Balanced String
* Factorial Trailings Zeroes
* Fibonacci Number
* Perfect Number
* Complex Number Multiplications
* Find the Index of First Occurrence in a String

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***SUNSTONE LEARNING PHASE***

***DAY 12(22/04/2025)***

* ***Solve Question on LeetCode***
* Power of Four
* Sum of Square Numbers
* Sum of two Integers
* Eliminations Game
* Group Anagram
* Partitions Array by Using a Pivot Number
* Teaching Sessions of Aashish
* Basic of Java
* Class and Object
* Functions / Method (Constructor)
* Loops
* Array
* OOPs

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***SUNSTONE LEARNING PHASE***

***DAY 13(23/04/2025)***

* ***Solve Question on LeetCode***
* Maximum Swap
* Find Closet Person
* **Group Discussions**
* My Topic : Is Upskilling Better than that High Educations
* **Competitive Coding**

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***SUNSTONE LEARNING PHASE***

***DAY 14(24/04/2025)***

* **Solve LeetCode Problems**
* Single Number II
* Number Complement
* **Tech Certifications Course**
* By using a **Sololearn** platform, I started a Course in MySQL.
* SQL Queries
* Relational Database
* Datatype
* Sorting Data
* Filtering Data
* **Solving Questions on Online GDB Compiler**

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***SUNSTONE LEARNING PHASE***

***DAY 15(25/04/2025)***

* **Solve LeetCode Problems**
* Mean of Array After Removing Some Elements
* Find the Pivot Integers.
* **Tech Certifications Course**
* By using a **Sololearn** platform, I started a Course in MySQL.
* Student Grade
* Employee Salary
* Quiz
* **One to One HR**
* One to One with Kanu Ma’am.

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***SUNSTONE LEARNING PHASE***

***DAY 16(28/04/2025)***

* **Solve LeetCode Problems**
* N-th Tribonacci Numbers
* XOR Operations in an Array
* Sum of Digits Base K
* Count Operations to obtain Zeros
* **Tech Certifications Course**
* By using a **Sololearn** platform, I started a Course in MySQL.
* Limiting Data
* Concept of Offset
* Pattern Matching
* Query techniques
* Quiz
* **Solve Questions on Online GDB Compiler**
* Broken a String in K-th size.
* **Link this Everyday Learning with GitHub**
* Push code on GitHub
* The Link of the Repository is :
* <https://github.com/ankit8362/sunstone_everyday_work>
* View all the activity on this link.

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***SUNSTONE LEARNING PHASE***

***DAY 17(29/04/2025)***

* **Solve LeetCode Questions**
* Second Largest Digit in a String
* Special Array With X Elements Greater Than or Equal to X
* Counting Bits
* Ransome Notes.
* **Tea With Founder and Other Dept. Seniors**
* **Complete the College Assignments**
* Assignment 2 Introductions of Internet of Things
* Assignment 3 Introductions of Internet of Things

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***SUNSTONE LEARNING PHASE***

***DAY 18(30/04/2025)***

* **Solve LeetCode Questions**
* Ransome Notes
* The K-th Factor of n
* Count Array Pairs Divisible by K
* Number of Common Factors

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***SUNSTONE LEARNING PHASE***

***DAY 19(01/05/2025)***

* **Solve LeetCode Problems**
* **Code Briefing by Ankit Mishra**

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***SUNSTONE LEARNING PHASE***

***DAY 20(02/05/2025)***

* **Problems Solving on Leetcode**
* Neither Minimum Nor Maximum
* Second Highest Salary
* Smallest Number with all Set Bits

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***SUNSTONE LEARNING PHASE***

***DATE 12/05/2025***

* **Soft Skill Classes**
* Groupwise Discussion
* How Many type of Questions
* Closed Ended Questions
* Opend Ended Questions
* Probing
* Leading
* Clarifying Questions
* What is feedback
* Positive feedback
* Constructive Feedback
* ***Competitive Programming Question***
* Leetcode
* Online GDB Compiler

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***SUNSTONE LEARNING PHASE***

***DATE 13/05/2025***

* ***Competitive Programming Question***
* Leetcode
* Online GDB Compilerk
* Google Sheet Regrading to Progress Fill-up
* Link of the Google Document
* <https://docs.google.com/spreadsheets/d/18lI-8g4B-qqhnP_tq-VqBV9Nt8_fJaDqZI5-KRCoc3M/edit?usp=sharing>

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***SUNSTONE LEARNING PHASE***

***DATE 14/05/2025***

* ***Java Full Stack Development Classes***
* Encapsulations
* Setter and Getter Method
* Assignments
* Inheritence
* Single Inheritence
* Multi Level Inheritence
* Hybrid Inheritence
* Method Overriding
* Method Overloading
* Assignments
* Abstraction
* Abstract Class
* Abstract Method
* Example
* Assignments
* Interface
* 100% Abstraction
* Implements
* Multiple Inheritence
* Assignments
* String
* Muttable Concepts
* .equals vs ==
* Assignments
* StringBuilder and StringBuffer
* Muttable Concepts
* Inbuilt Method
* How it is difference from String.