1. **Longest Common Prefix using Sorting**

Given an array of strings **strs[]**. The task is to return the **longest common prefix** among each and every strings present in the array. If there’s no prefix common in all the strings, return “-1”.

**Examples:**

***Example 1:***

* *Input: strs[] = ["apple", "appetizer", "application", "apps"]*
* *Output: app*
* *Explanation: "app" is the longest common prefix in all the given strings.*

***Example 2:***

* *Input: strs[] = ["cat", "dog", "bird"]*
* *Output: -1*
* *Explanation: There’s no common prefix in the given strings.*

1. **Check if two given Strings are Isomorphic to each other**

Two strings **str1** and **str2** are called isomorphic if there is a one-to-one mapping possible for every character of str1 to every character of str2. And all occurrences of every character in ‘str1’ map to the same character in ‘str2’.

**Examples:**

***Input:*** *str1 = “aab”, str2 = “xxy”****Output:*** *True****Explanation:*** *‘a’ is mapped to ‘x’ and ‘b’ is mapped to ‘y’.*

***Input:***  *str1 = “aab”, str2 = “xyz”****Output:*** *False****Explanation:*** *One occurrence of ‘a’ in str1 has ‘x’ in str2 and other occurrence of ‘a’ has ‘y’.*

1. **Minimum number of deletions to make a string palindrome**

*Given a string of size ‘n’. The task is to remove or delete the minimum number of characters from the string so that the resultant string is a palindrome.*

***Note:*** *The order of characters should be maintained.*

***Examples :***

Input : aebcbda

Output : 2

Remove characters 'e' and 'd'

Resultant string will be 'abcba'

which is a palindromic string

Find the minimum distance between the given two words

1. **Given a list of words followed by two words, the task is to find the minimum distance between the given two words in the list of words.**

**Examples**:

***Input:*** *S = { “the”, “quick”, “brown”, “fox”, “quick”}, word1 = “the”, word2 = “fox”****Output:*** *3****Explanation:*** *Minimum distance between the words “the” and “fox” is 3*

***Input:*** *S = {“geeks”, “for”, “geeks”, “contribute”, “practice”}, word1 = “geeks”, word2 = “practice”****Output:*** *2****Explanation:*** *Minimum distance between the words “geeks” and “practice” is 2*

1. **Reverse words in a string**

*Given a string, the task is to reverse the order of the words in the given string.*

***Examples:***

***Input:*** *s = “i love programming very much”****Output:*** *s = “much very programming love i”*

***Input****: s = ” geeks for all”****Output****: s = “all for geeks”  
We need to remove all the extra spaces in the output*