



Backend Development- Week4

Week 4

▼ CP Question-

Question- Minimum String Length After Removing Substrings

You are given a string *s* consisting only of uppercase English letters.

You can apply some operations to this string where, in one operation, you can remove any occurrence of one of the substrings "AB" or "CD" from *s*.

Return the minimum possible length of the resulting string that you can obtain.

Note: The string concatenates after removing the substring and could produce new "AB" or "CD" substrings.

Example 1:

Input: s = "ABFCACDB"

Output: 2

Explanation:

- Remove the substring "AB", so s = "FCACDB".
- Remove the substring "CD", so s = "FCAB".
- Remove the substring "AB", so s = "FC".

So the resulting length of the string is 2.

It can be shown that it is the minimum length that we can obtain.

Example 2:

Input: s = "ACBBD"

Output: 5

Explanation: We cannot do any operations on the string so the length remains the same.

▼ Coding Challenge-

- Build a to-do list application where tasks can be prioritized and sorted based on their importance.
- Reverse the order of elements in a list.
- Build a recommendation system that suggests products or content based on user preferences and behavior.

Plus+

Submit Project #1 (Mandatory)

