**class Solution:**

**def longestCommonPrefix(self, strs: List[str]) -> str:**

**if not strs: # Handle empty input list**

**return ""**

**# Take the first string as the initial prefix candidate**

**prefix = strs[0]**

**# Iterate through the remaining strings**

**for i in range(1, len(strs)):**

**# While the current string does not start with the current prefix,**

**# shorten the prefix by removing its last character**

**while strs[i].find(prefix) != 0:**

**prefix = prefix[:-1]**

**# If the prefix becomes empty, there's no common prefix**

**if not prefix:**

**return ""**

**return prefix**