❖ First Non Repeated Character:

Explanation: -

The program identifies the first non-repeated character in a given string using recursion. It first counts the frequency of each character with a helper function, then recursively checks for the first character that appears only once. The result is printed, showing either the first non-repeated character or a message indicating none were found.

```
Time Complexity: - O(n)
Space Complexity: - O(n)
[Start]
[Input: "Enter a String: "] -> str
[ Initialize: frequency[256] ]
[ Call: countCharacterFrequency(str, frequency, 0) ]
[ Check: index == str.length() ] ---> Yes ---> [ Return ]
   | No
[ Get: currentChar = str.charAt(index) ]
[frequency[currentChar]++]
[ Call: countCharacterFrequency(str, frequency, index + 1) ]
   V
```