140.In a string S of lowercase letters, these letters form consecutive groups of the same character. For example, a string like s = "abbxxxxzyy" has the groups "a", "bb", "xxxx", "z", and "yy". A group is identified by an interval [start, end], where start and end denote the start and end indices (inclusive) of the group. In the above example, "xxxx" has the interval [3,6]. A group is considered large if it has 3 or more characters. Return the intervals of every large group sorted in increasing order by start index.

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Example 1:
Input: s = "abbxxxxzzy"
Output: [[3,6]]
```

Explanation: "xxxx" is the only large group with start index 3 and end index 6.

AIM: To return the intervals of every large group sorted in increasing order by start index

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PROGRAM:
def largeGroupPositions(s):
  if not s:
    return []
  n = len(s)
  result = []
  start = 0
  for i in range(1, n):
    if s[i] != s[i - 1]:
       if i - start >= 3:
         result.append([start, i - 1])
       start = i
  if n - start >= 3:
    result.append([start, n - 1])
  return result
print(largeGroupPositions("abbxxxxzzy"))
print(largeGroupPositions("abc"))
```

print(largeGroupPositions("abcdddeeeeaabbbcd"))

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[[3, 6]]
[]
[[3, 5], [6, 9], [12, 14]]
OUTPUT:
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TIME COMPLEXITY: O(n)