STRINGS - SET 3 QUESTIONS

Question 1:

- ❖ **Problem link**:

  https://practice.geeksforgeeks.org/problems/roman-number-to-integer3201/1
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(|S|)
  - ➢ Extra space: O(1)

Question 2:

- ❖ **Problem link**: https://practice.geeksforgeeks.org/problems/twice-counter4236/1
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(N)
  - ➢ Extra space: O(N)

Question 3:

- ❖ **Problem link**:

  https://practice.geeksforgeeks.org/problems/largest-number-with-given-sum-15 87115620/1
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(N)
  - ➢ Extra space: O(1)

Question 4:

- ❖ **Problem link**: https://leetcode.com/problems/replace-all-digits-with-characters/
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(N)
  - ➢ Extra space: O(N)

Question 5:

- ❖ **Problem link**: https://practice.geeksforgeeks.org/problems/edit-distance3702/1
- ❖ **Difficulty level**: Medium
- ❖ **Expected Complexity**:
  - ➢ Time: O(|s|*|t|)
  - ➢ Extra space: O(|s|*|t|)

Question 6:

- ❖ **Problem link**:https://practice.geeksforgeeks.org/problems/smallest-distant-window/0
- ❖ **Difficulty level**: Medium
- ❖ **Expected Complexity**:
  - ➢ Time: O(256.N)
  - ➢ Extra space: O(256)

Question 7:

- ❖ **Problem link**: https://leetcode.com/problems/bulb-switcher-iv/
  - ➢ **Difficulty level**: Medium
- ❖ **Expected Complexity**:
  - ➢ Time: O(N))
  - ➢ Extra space: O(1)

Question 8:

- ❖ **Problem link**:
  https://leetcode.com/problems/maximum-product-of-word-lengths/
- ❖ **Difficulty level**: Hard
- ❖ **Expected Complexity**:
  - ➢ Time: $O(N^2)$
  - ➢ Extra space: O(N)

Question 9:

- ❖ **Problem link**: https://leetcode.com/problems/special-binary-string/
- ❖ **Difficulty level**: Hard
- ❖ **Expected Complexity**:
  - ➢ Time: O(n^2)
  - ➢ Extra space: O(n)

Note: The solutions of all these questions will be provided on 14th May, 2021