STRINGS - SET 1 QUESTIONS

Question 1:

- ❖ **Problem link**: https://leetcode.com/problems/reverse-string/
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(n)
  - ➢ Extra space: O(1)

Question 2:

- ❖ **Problem link**:
  https://practice.geeksforgeeks.org/problems/palindrome-string0817/1
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(n)
  - ➢ Extra space: O(1)

Question 3:

- ❖ **Problem link**:
  https://practice.geeksforgeeks.org/problems/min-number-of-flips3210/1
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(n)
  - ➢ Extra space: O(1)

Question 4:

- ❖ **Problemlink**:
  https://practice.geeksforgeeks.org/problems/consecutive-elements2306/1
- ❖ **Difficulty level**: Easy
- ❖ **Expected Complexity**:
  - ➢ Time: O(n)
  - ➢ Extra space: O(n)

Question 5:

- ❖ **Problem link**: https://practice.geeksforgeeks.org/problems/interleaved-strings/1
- ❖ **Difficulty level**: Medium
- ❖ **Expected Complexity**:
  - ➢ Time: O(nm)
  - ➢ Extra space: O(nm)

Question 6:

- ❖ **Problem link**:
  https://practice.geeksforgeeks.org/problems/print-anagrams-together/1
- ❖ **Difficulty level**: Medium
- ❖ **Expected Complexity**:
  - ➢ Time: O(N*|S|*log|S|)
  - ➢ Extra space: O(N*|S|*log|S|)

Question 7:

- ❖ **Problem link**:https://leetcode.com/problems/rotate-string/
- ❖ **Difficulty level**: Medium
- ❖ **Expected Complexity**:
  - ➢ Time: O(n)
  - ➢ Extra space: O(n)

Question 8:

- ❖ **Problem link**: https://leetcode.com/problems/parsing-a-boolean-expression/
- ❖ **Difficulty level**: Hard
- ❖ **Expected Complexity**:
  - ➢ Time: O(n)
  - ➢ Extra space: O(n)

Question 9:

- ❖ **Problem link**:
  https://practice.geeksforgeeks.org/problems/numbers-with-one-absolute-difference2416/1/
- ❖ **Difficulty level**: Hard
- ❖ **Expected Complexity**:
  - ➢ Time: $O(2^{\text{Number of Digits in N}})$
  - ➢ Extra space: $O(2^{\text{Number of Digits in N}})$

Note: The solutions of all these questions will be provided on 11th May, 2021