DYNAMIC PROGRAMMING - SET 2 QUESTIONS

Question 1:

- **Problem link**: https://leetcode.com/problems/counting-bits/
- **Difficulty level**: Easy
- **Expected Complexity**:
  - Time: O(n)
  - Extra space:O(n)

Question 2:

- **Problem link**: https://leetcode.com/problems/best-time-to-buy-and-sell-stock/
- **Difficulty level**: Easy
- **Expected Complexity**:
  - Time: O(n)
  - Extra space: O(1)

Question 3:

- **Problem link**:https://leetcode.com/problems/divisor-game/
- **Difficulty level**: Easy
- **Expected Complexity**:
  - Time: O(n)
  - Extra space:O(n)

Question 4:

- **Problem link**:https://leetcode.com/problems/word-break/
- **Difficulty level**: Medium
- **Expected Complexity**:
  - Time: O(s^2)
  - Extra space:O(s^2)

Question 5:

- **Problem link**: https://leetcode.com/problems/maximum-product-subarray/
- **Difficulty level**: Medium
- **Expected Complexity**:
  - Time: O(n)
  - Extra space: O(1)

Question 6:

- **Problem link**: leetcode: House Robber
- **Difficulty level**: Medium
- **Expected Complexity**:
  - Time: O(n)
  - Extra space: O(1)

Question 7:

- **Problem link**: https://leetcode.com/problems/interleaving-string/
- **Difficulty level**: Medium
- **Expected Complexity**:
  - Time: O(m*n)
  - Extra space: O(n) where n=s2.length

Question 8:

- **Problem link**: https://leetcode.com/problems/maximum-profit-in-job-scheduling/
- **Difficulty level**: Hard
- **Expected Complexity**:
  - Time: O(nlogn)
  - Extra space: O(n)

Question 9:

- **Problem link**: https://leetcode.com/problems/frog-jump/
- **Difficulty level**: Hard
- **Expected Complexity**:
  - Time: O(n^2)
  - Extra space:O(n)