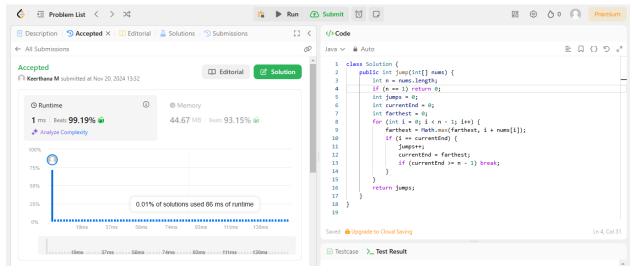
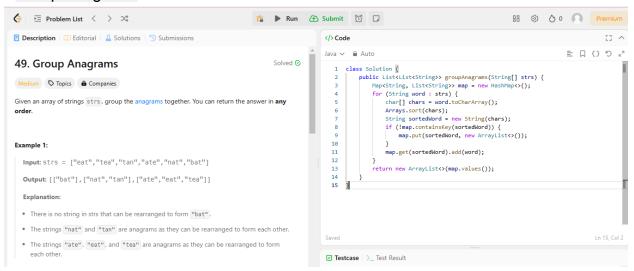
DSA Coding Practice-8

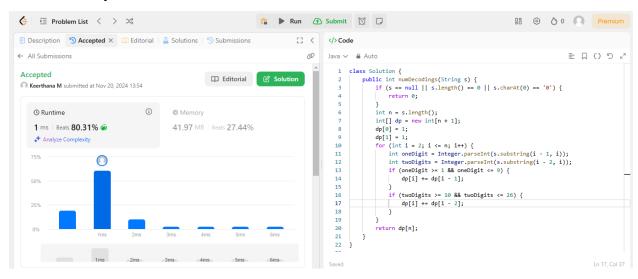
1. Jump Game II:



2. Group Anagrams:



3.Decode Ways:



4. Number of Islands:

```
class Solution {
    public int numIslands(char[][] grid) {
        if (grid == null || grid.length == 0) {
            return 0;
        }
        int numIslands = 0;
        int rows = grid.length;
        int cols = grid[0].length;
        for (int i = 0; i < rows; i++) {
            for (int j = 0; j < cols; j++) {
                if (grid[i][j] == '1') {
                    numIslands++;
                    dfs(grid, i, j);
                }
            }
        return numIslands;
```

```
private void dfs(char[][] grid, int row, int col) {
    int rows = grid.length;
    int cols = grid[0].length;
    if (row < 0 || col < 0 || row >= rows || col >= cols || grid[row][col]

== '0') {
        return;
    }
        grid[row][col] = '0';
        dfs(grid, row - 1, col);
        dfs(grid, row + 1, col);
        dfs(grid, row, col - 1);
        dfs(grid, row, col + 1);
}
```

