**STACK** 9/10/2024

1. You are given a matrix of people at a party, where if person i knows person j, M[i][j] = 1, and M[i][j] = 0 otherwise. A celebrity is a person who does not know anyone but is known by everyone else. Determine if there is a celebrity at the party. Use stack
2. Reverse a given string using stack operations. “Self-love is the appreciation of oneself”
3. Implement undo/redo for the shopping cart using stacks. Each action (add/remove) is pushed to the stack, and users can undo the last action.
4. Many social media feeds, like Twitter or Facebook, allow infinite scrolling. Sometimes, users want to revert back to where they were scrolling if they accidentally leave the page or refresh it. Design a mechanism that allows users to return to the exact place in the feed.Use a stack to record the last few scroll positions, allowing the user to navigate back to where they left off.