1. Users send a request with long URL (which has more than 1000 characters) and user wanted to short URL as a response. Short URL must be generated in a way ( by using hashing technique or something)  so that next time when user send the request with same long URL then same short URL will be expected by User in the response .
2. How to handle multiple insert and update request ( in million) on a particular database without scale up and down the database replica.
3. Implement the tic tac toc game so that we can find the winner after one final move.