

## Q1. Why stack can't manage fair service line?

- ✓ Last In First Out (LIFO)
- ✓ The most recent person (last to arrive) gets served first
- ✓ Earlier clients wait longer unfairly
- ✓ Unrealistic in real life
- ✓ Imagine a bank or hospital serving the last person who entered
- ✓ People would complain and order would collapse
- ✓ fairness needs FIFO not LIFO: Means service lines require first in first out (FIFO) and stack is only good for “undo/redo” or “backtracking”, not fairness.

## Q2. Why does FIFO ensure fairness in transport?

- ✓ Order of arrival is respected: the first bus or passenger to arrive is the first to depart and no skipping or overtaking.
- ✓ Avoids disputes Everyone knows their turn is based on arrival time and prevents between passengers, bus drivers, or conductors.
- ✓ Predictable and transparent: Passengers can estimate waiting time, bus operators know when their turn will come.
- ✓ Equal treatment: No favoritism or bias, every client or vehicle is handled in the same way.

- ✓ Efficient flow: FIFO Keeps the lines moving smoothly, reduces congestion and confusion at stations.
- ✓ In transport, FIFO = fairness because it guarantees “first come ,first served”, which keeps order ,reduces disputes, and ensures everyone is treated equally.