

## Assumptions:

### 1. Surrogate Key "addr\_no"

By assigning each address a system-generated identifier `addr_no` instead of using street, town and postcode as a composite key, we ensure that address records remain stable even when their actual fields change, simplify foreign-key references to a single integer column (keeping joins narrow and indexes efficient), and improve maintainability by decoupling the address's identity from its mutable attributes.

### 2. Surrogate Key "bk\_no"

Replacing the natural composite key (`passenger_id` + `cruise_id`) with a single-column surrogate key `bk_no` makes booking records easier to reference in future extensions, streamlines DML operations and ORM mappings, and boosts performance through compact, fast numeric indexing rather than wider multi-column joins.