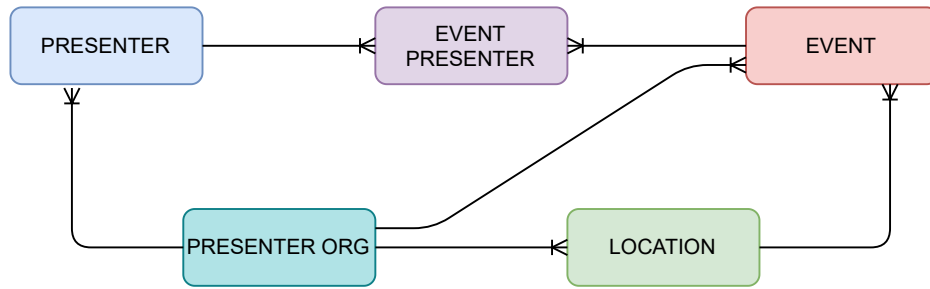
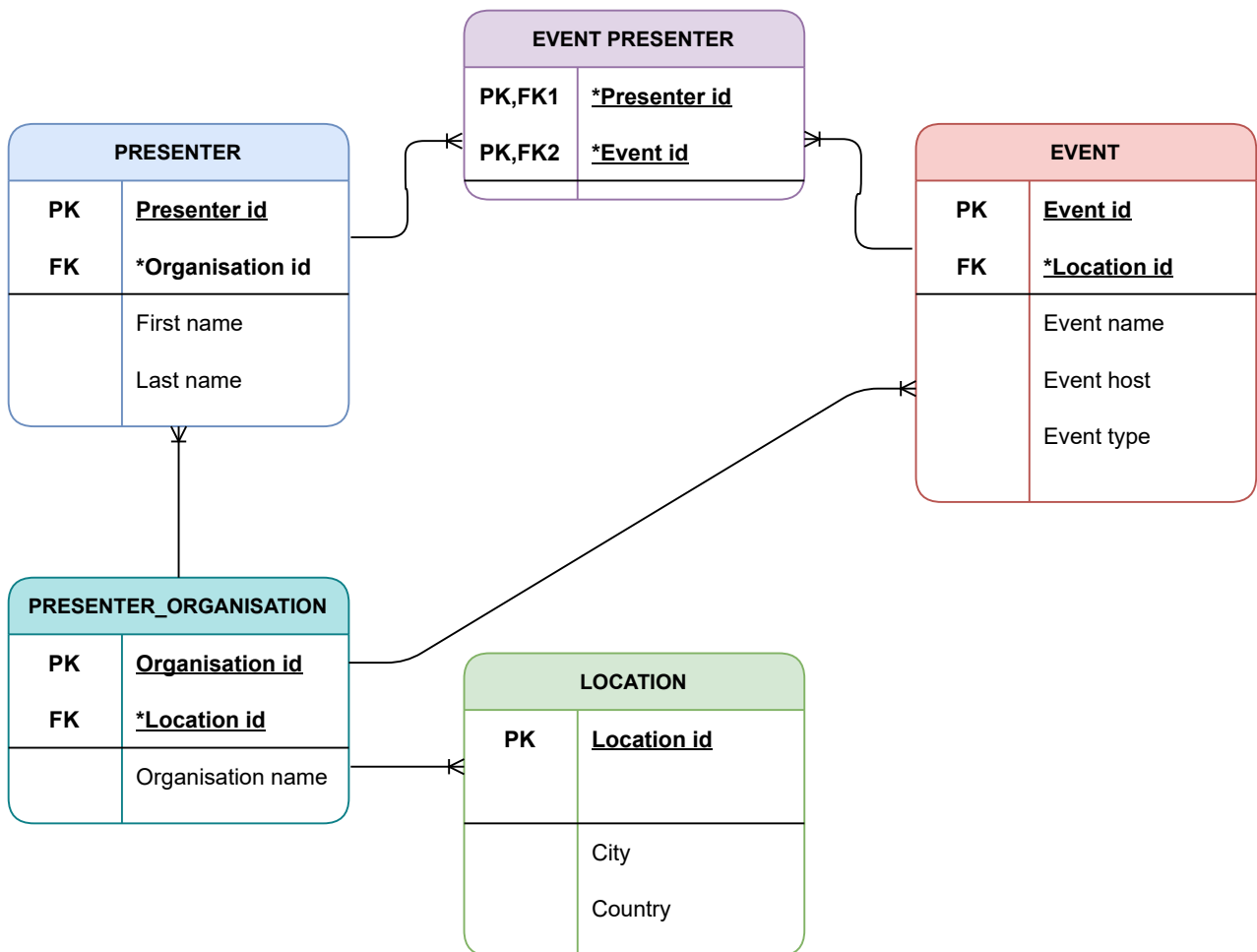


## Conceptual model



## Logical model



### NOTES.

When designing a relational database, the following principles should be followed:

- Fields should contain atomic data values i.e. contain one simple value.
- Data values should not be repeated except where this is necessary to join tables.
- Primary key columns should uniquely identify each row.
- All non-key columns should be fully dependent on the primary key.
- All non-key columns should not be dependent on each other.
- Avoid storing derived data such as totals which can be calculated from other data values.

Physical model

