TIC – Table Instance Chart

(needed in A3)

# What is a TIC?

Tables Instance Chart

# Why use them?

In assignment 2 you did the logical design and produced an ERD. That design now is turned into a physical database. To do that requires a lot of CREATES and INSERTS etc….

The script you need to write for all of the ERDs can be made a lot simpler if you use a TIC. A TIC is the stage between logical and physical, or it can be considered the first part of the physical design.

Example:

**Table: TableName – assume this is a bridging table**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Column**  **Names** | **Primary Key** | **Foreign Key** | **Not Null** | **Unique** | **Validation**  **(Check)** |
| **Col 1** | **PK** | **Parent 1 (PK1-col1)** | **Do not need NN** | **Do not need UK** |  |
| Col 2 | **PK** | **Parent 2 (etc..)** |  |  |  |
| Col 3  Email |  |  | **NN or y** | **Uk orY** |  |
| Col 4  Optional check |  |  |  |  | **A Condition EX:**  **Between 300 and 2000** |
| Sample data 🡺 |  |  |  |  |  |
| Sample data 🡺 |  |  |  |  |  |
| Sample data 🡺 |  |  |  |  |  |