Lab 1

# Problem 1 – Question on database modelling

I would model a one to many relationship between two tables -

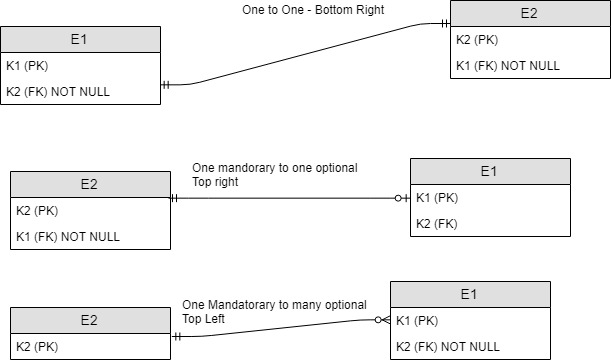
One called "Toy" that has age, name and id as an pk and another called "ToyAttribute",

where I would use id as a primary, toy\_id as foreign key and attribute as fields in this table

Describe using the following terminologies:

* easy to use and maintain
* performance
* storage efficiency
* what if some new attributes are added

# Problem 2 – From ER to relational model



No because it is impossible to ensure the entity in the many part of the relationship to have at least one entity on the one part as an guaranteed feature without external application assistance.

# Problem 3 – Designing a relational model

