**Database constraints**

PK : Primary key

If column pk that column doesn’t allow duplicate as well as null value. In single table we can create only one column as PK.

FK : Foreign key

Foreign key is use to refer to Primary key of same or different table. FK mainly use to link to the Primary key column. If column is FK that column allow only those values which present in PK column. FK can hold duplicate but only those record which present in PK column. By Default FK can allow null value.

ER diagram : entity relationship diagram

We can connect one table to another table using relationship concept.

4 types of relationship

1. One to one relationship : one person has only one pan card

Person Pan Card

Pid PName Age Pid PanCardDescription expiry

One person can create only one type of account in same bank.

1. One to many relationship : Trainer to Student : One trainer can handle many students.

One student know more than one skillset or technologies.

1. Many to one : Many Employee working in one department.

Many factory working in college

1. Many to Many : Many Employee working handling more than one project at the same time.

Many Student known more than one technologies.

To make these type of relationship we use PK and FK table with many table.

