data type

• names ——— Strings

• Age ——— Integer

$*$

data type	

• names/numbers   Strings

• Age /number
    but no
    decimal   Integer

String data type computer can't calculate.

Integer can calculate by $(+, -, \times)$ like things can.

• seven dgree mean seven attributes

‑ Relational Schema-

Structure + rules that describe how data is stored and related in a database

Student (student ID, Name, Age, Class ID)

Class (classID, class name, Teacher ID)

Teacher (Teacher ID, Teacher name, subject)

• Student ID – primary key in Student

• ClassID – Forign key in Student

' Tacher ID – Forign key in class

Student screen table එකේ primary key එකෙ @ as Student ID and Name දෙකම වෙනවා. මෙහෙම student ID කියන්නෙ primary key එකක්මයි. Name කියන්නෙ primary key එකක්. Student ID and Name කියන දෙකම එකවිට තියෙනවා නම් මේක primary key වෙනවා.

Null value

Null is may not apply to a tuple, a special value, unknown
(empty value is null)

t~~able~~ (Name

Dgree of Ration - number of attributes

Domain - the set of valid/allowed values for an attribute

Relation intension = (shema R) - Structure (what the table looks like)

Relation extension = (content) (what the table contains right now)

relation state r(R)

example for relation intension (shema R)

Student (Student ID, Name, Age)

example for Relation extension (r(R))

Student ID	Name	Age
256	Tom	20
232	Cruz	18
331	Anng	17