

SQL  
 ↳ RDBMS - MariaDB  
 ↳ CRUD - create, delete, truncate, update  
 ↳ create insert  
 ↳ retrieve / read

## Constraints (check / condition)

- ↳ not null
- ↳ unique
- ↳ primary key (unique)
- ↳ foreign key
- ↳ default key
- ↳ check

customer

ID	Name	Age	Contact
123			

## datatype constraint

### Indexes

primary key

Linear search

Binary search

where ID=60

ID=19000

9 months

book

## Table scans

Index

Save the address of record

ID=19000

primary key

unique

- no duplicate
- null is not allowed
- 1 in 1 table

- no duplicate
- null is allowed
- add in table column
- contact email

ID

First	Last
Alina	Joe
Alina	Carter

Alina	Carter
Alina	Joe

Alina	2
Alina	1

Alina	1
Alina	2