MySQL Workbench + Databases

What is Database?

- Its a collection of all the related data.
- Its a method for accessing and manipulating the data

A Phone Book!

A Quick Example

L_name	f_name	A.Code	Phone No.
Andrews,	Archie	(949)	345-2222
Cooper,	Betty	(212)	246-9846
Flanders,	Ned	(415)	987-3451
Jones,	Jughead	(415)	888-3777
Lodge,	Veronica	(714)	332-0981
Snow,	Jon	(949)	621-1908
Stark,	Ned	(310)	119-6501

Find Ned Flanders' Phone Number 987-3451

Find People With First Name "Ned" Where

Find All Phone Numbers With Area Code 415 Where

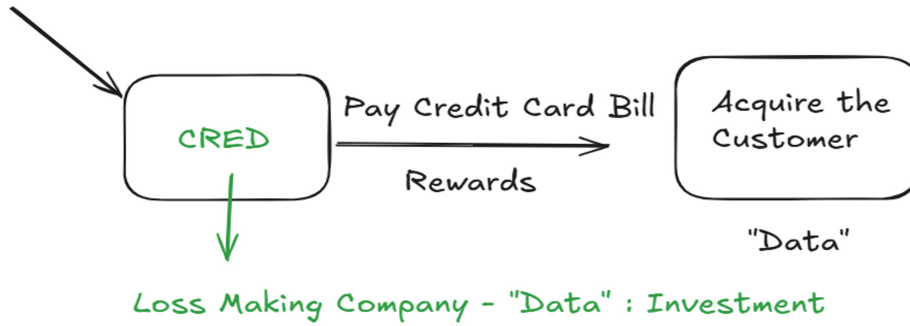Find All People Who Have a 3-letter First Name char_length

What is Data?

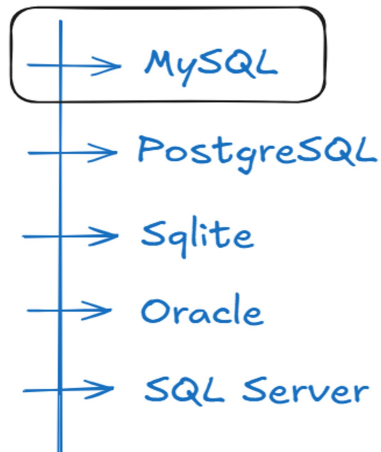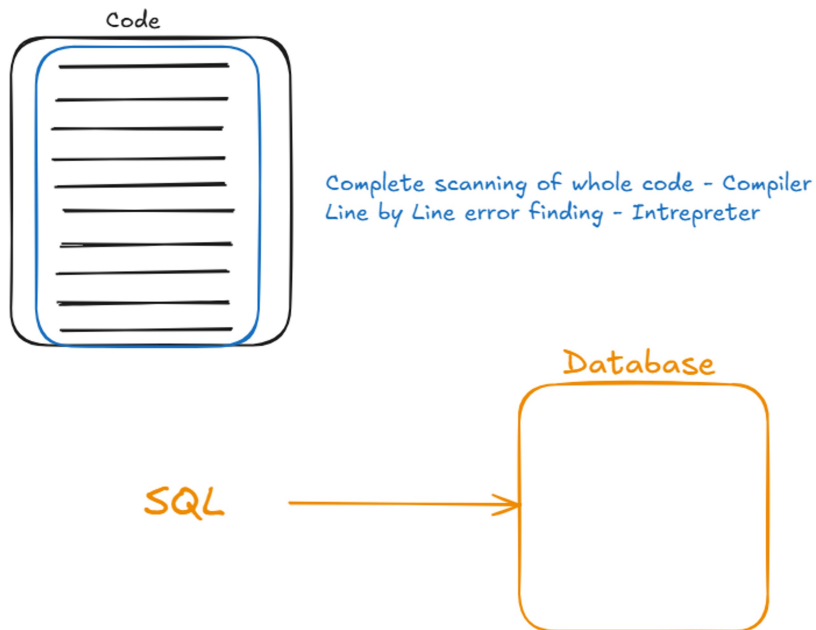Fossil fuel as the "Real Money"
"Data" is Knowledge , Money

Investor

CRED ── Pay Credit Card Bill ──→ Acquire the Customer

Rewards

"Data"

Loss Making Company - "Data" : Investment

When Product is "FREE".
Your attention is the fee

Application ──→ DBMS ──→ Database

Database Management System

→ MySQL
→ PostgreSQL
→ Sqlite
→ Oracle
→ SQL Server

SQL - Structure Query Language

Programming Language	→	Compiler & Interpreter	→	Machine 0/1 Binary Machine Code

Pass the instruction

Code

Complete scanning of whole code - Compiler
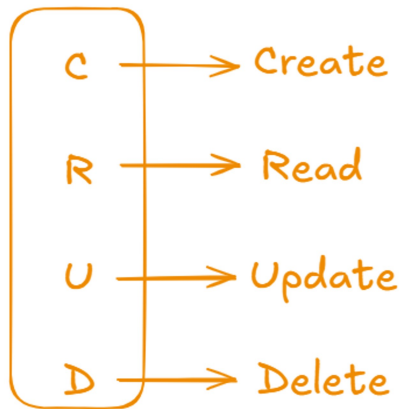Line by Line error finding - Intrepreter

Database

SQL →
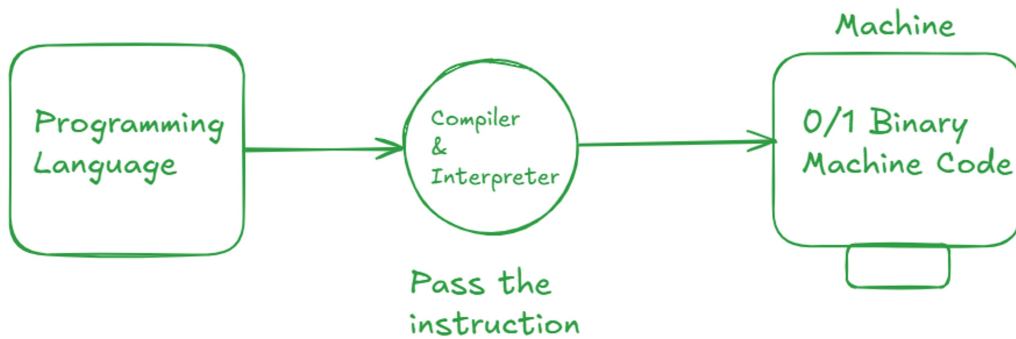
SQL VS MySQL

SQL is a language to communicate in a general way.

"Find all users who are 18 or above"   SQL

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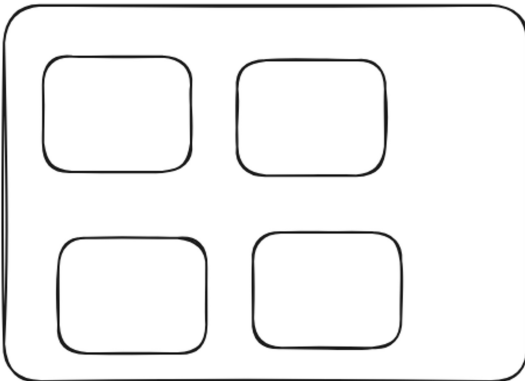SELECT * FROM USERS WHERE Age > 18   MySQL

CRUD:

C ⟶ Create

R ⟶ Read

U ⟶ Update

D ⟶ Delete

Instagram

- Do you create a post?
- Create an Instagram Account
- Have your read other post.
- "SELECT" - Read the info.
- Some correction needed to be there in your post.... Update.
- Delete the post.....

Database

Creating a Database

Use Database in order to move ahead.

Create a Table