## Databases

**Jason Staten** 

## Data

## Likes

## Stock quotes

#### Heartbeats

### Temperature

## Appointments

#### Bookmarks

#### Showtimes

## Earthquakes

#### Tweets

## Recipes

### DNA

#### GPS coordinates

## Data

## Store









# 

# 56,000 transactions per second

## Retrieve

# How many new messages do I have?

# Where is the nearest car driver?

# Which are the most popular movies?

## Database

## A database is an organized way to store and retrieve data.

# Relational Databases

## Tables

id	name	age	country
1	Ted	26	AU
2	Sue	32	US
3	Gwen	24	CA

## Schema

TOP SECRET UPPER IRIS, AND HEATSINK MACHINE FROM ALUMINUM CAST IRON, CAST FROM SCRAP IF POSSIBLE SAND CAST OR LOST WAX. CHECK FOR MATERIALS POTENTIAL ISSUE REGARDING VARIANCE COMPENSATE IN CONTROL UNIT ACCELERATOR RING OPICAL QUALITY CRYSTAL NEEDS ZERO CONDUCTANCE AT B/T REACTION CHAMBER COBALT GLASS, HOUSING INNER SUPPORT AND CAGE FOR PALLADIUM REACTION RINGS. OUTER SUPPORT AND HEATSINK. CAST/IRON OR STEEL TOO TIME CONSUMING TO MILL FROM ALU POWER CONVERTER AND CONTROL MODULE SECONDARY HEATSINK VERSION: 5-34 (FINAL SALANIGUARDE 🎏 STARK INDUSTRIES

id INTEGER PRIMARY KEY, name TEXT, age INTEGER, country TEXT

## INTEGER REAL DECIMAL(scale, precision) TEXT BLOB

## SQL

# Structured Query Language

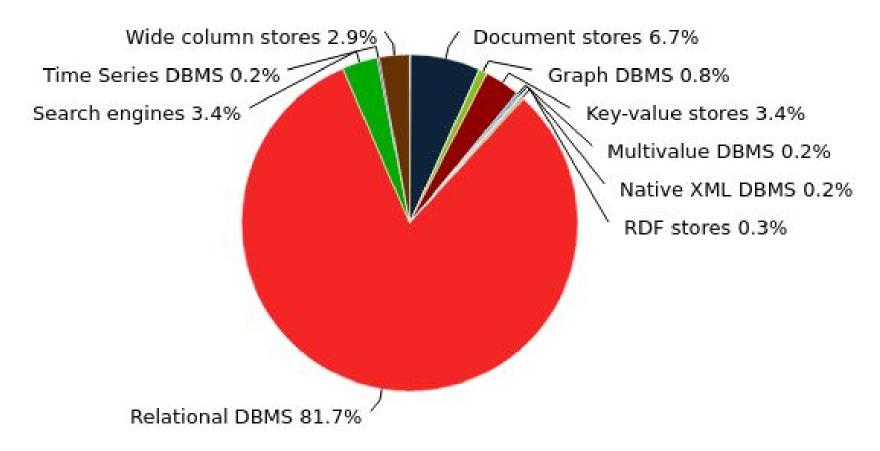
#### Create tables and rows

Read data out of tables

Update existing data

Delete data from tables

## 



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#### One Language. Any\* RDBMS.











\*dialects vary

# bit.ly/ devmtnsql