

Welcome Cyber#1

Reader: reader.codaisseur.com

Slack: codaisseur-school.slack.com

Discord: <https://discord.gg/qyehPh>

Today's schedule

19:00 – 19:45

☐ **Databases**

20:00 – 20:45

☐ **LAB** db-fiddle.com

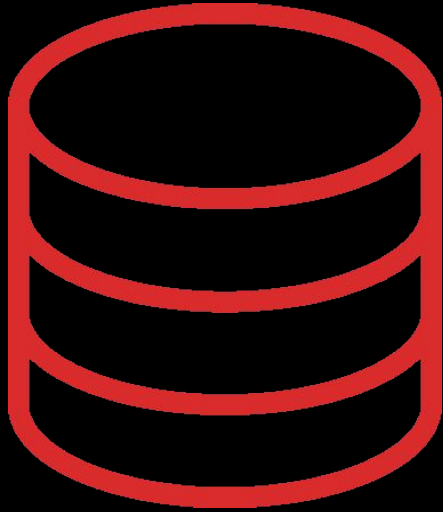
21:00 – 21:45

☐ **LAB** Create a database

Databases

- **Databases (sql-nosql)**
- **File server**
- **Backend vs frontend**
- **SQL**

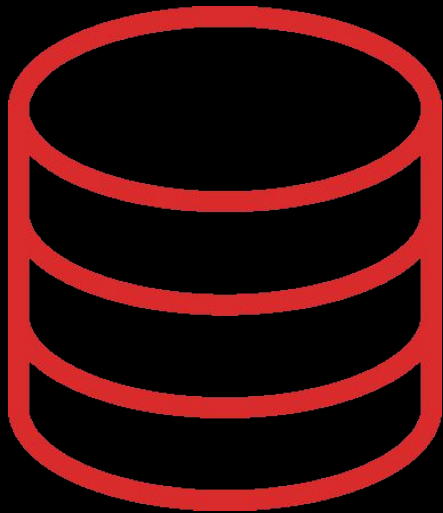
Databases...



Good in:

- **Storing data**
- **Finding data**
- **Updating data**

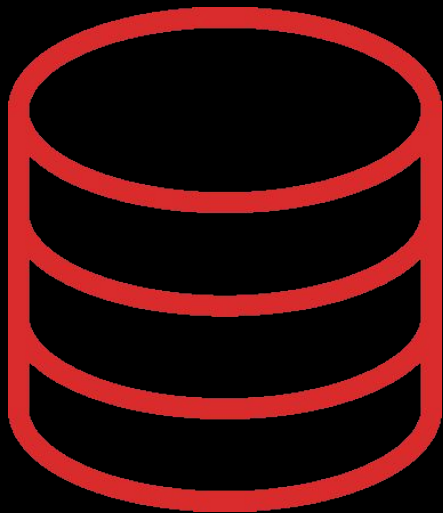
Databases...



Types:

- SQL
- NO-SQL

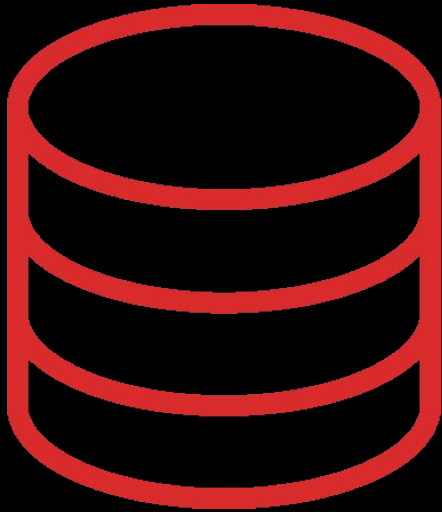
SQL...



| id | name | age |
|----|------|-----|
| 3 | Pien | 1 |

| id | country | capital |
|----|---------|---------|
| 20 | NL | AMS |

NO-SQL...



name: Jeroen
Age: 31

name: Wouter
function: CEO
gender: M
Car: BMW

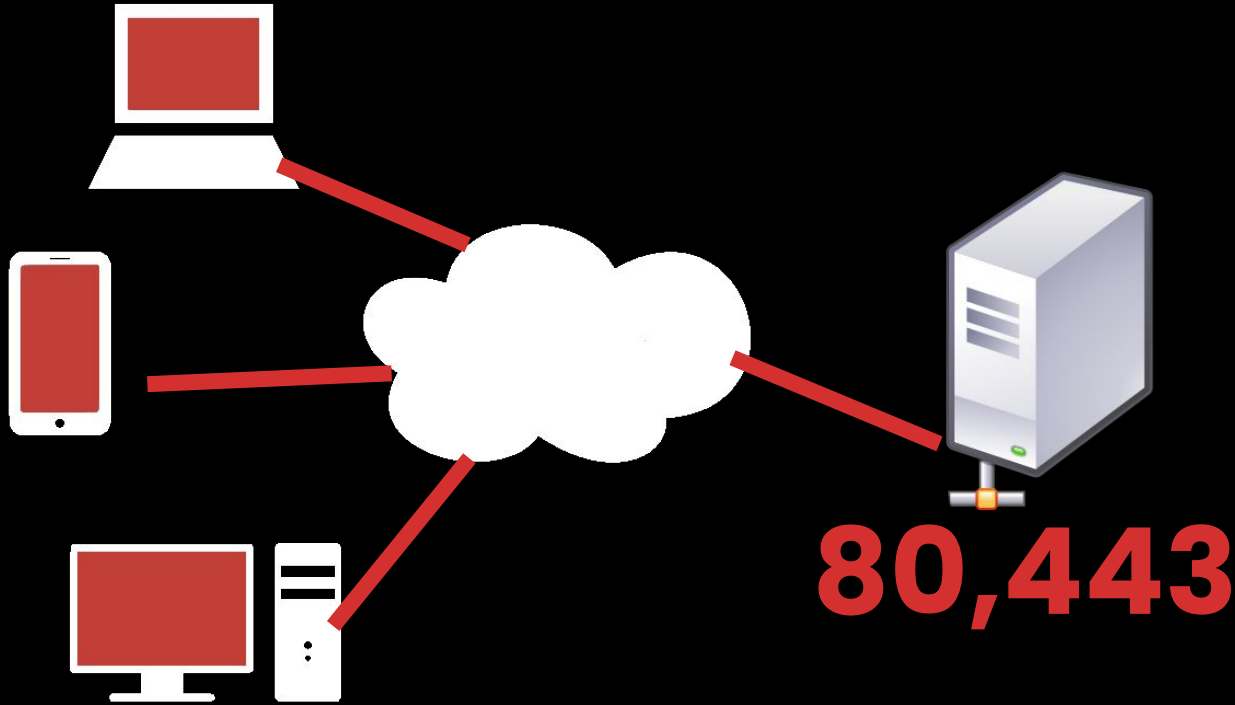
File server...



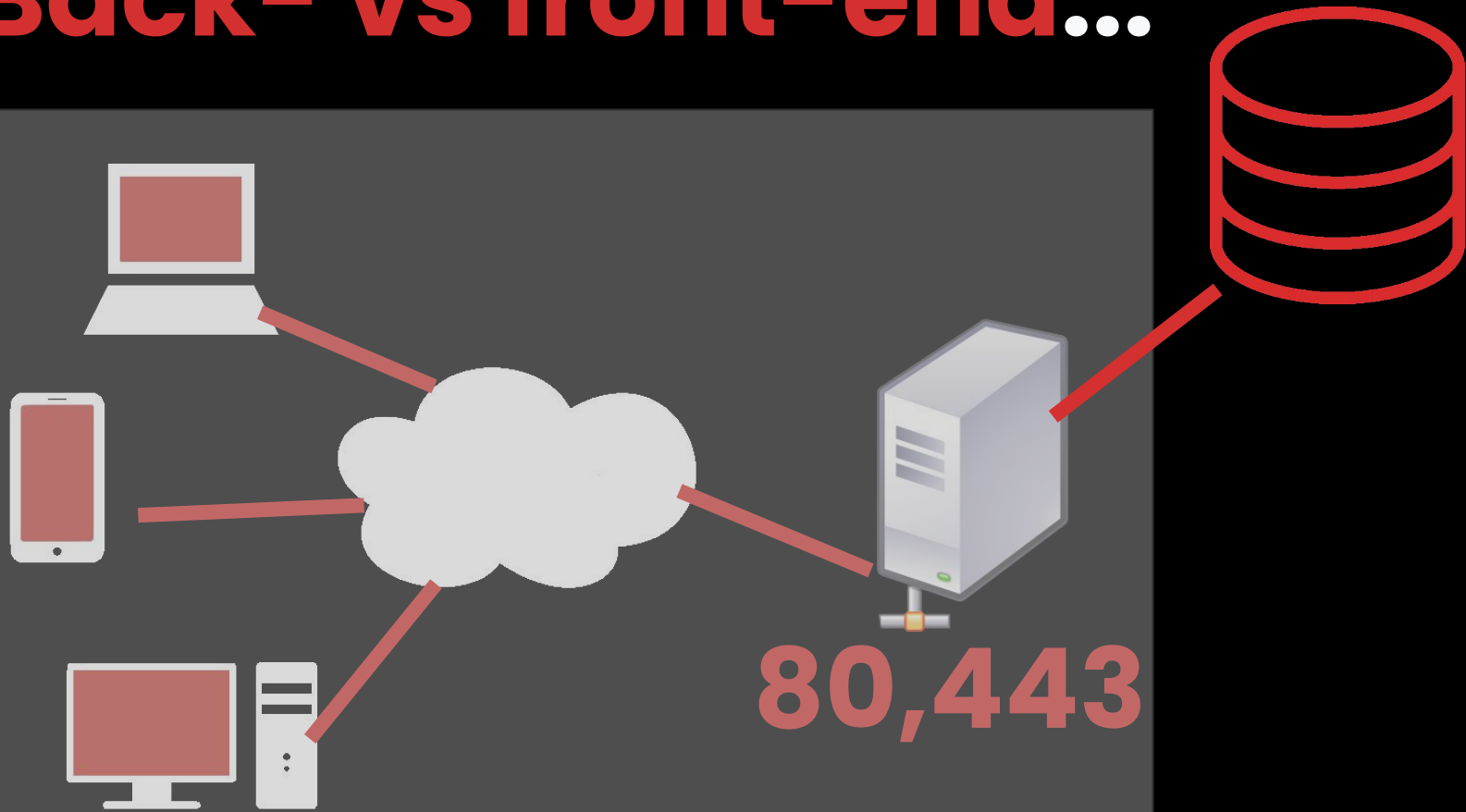
Good in:

- **Storing files**

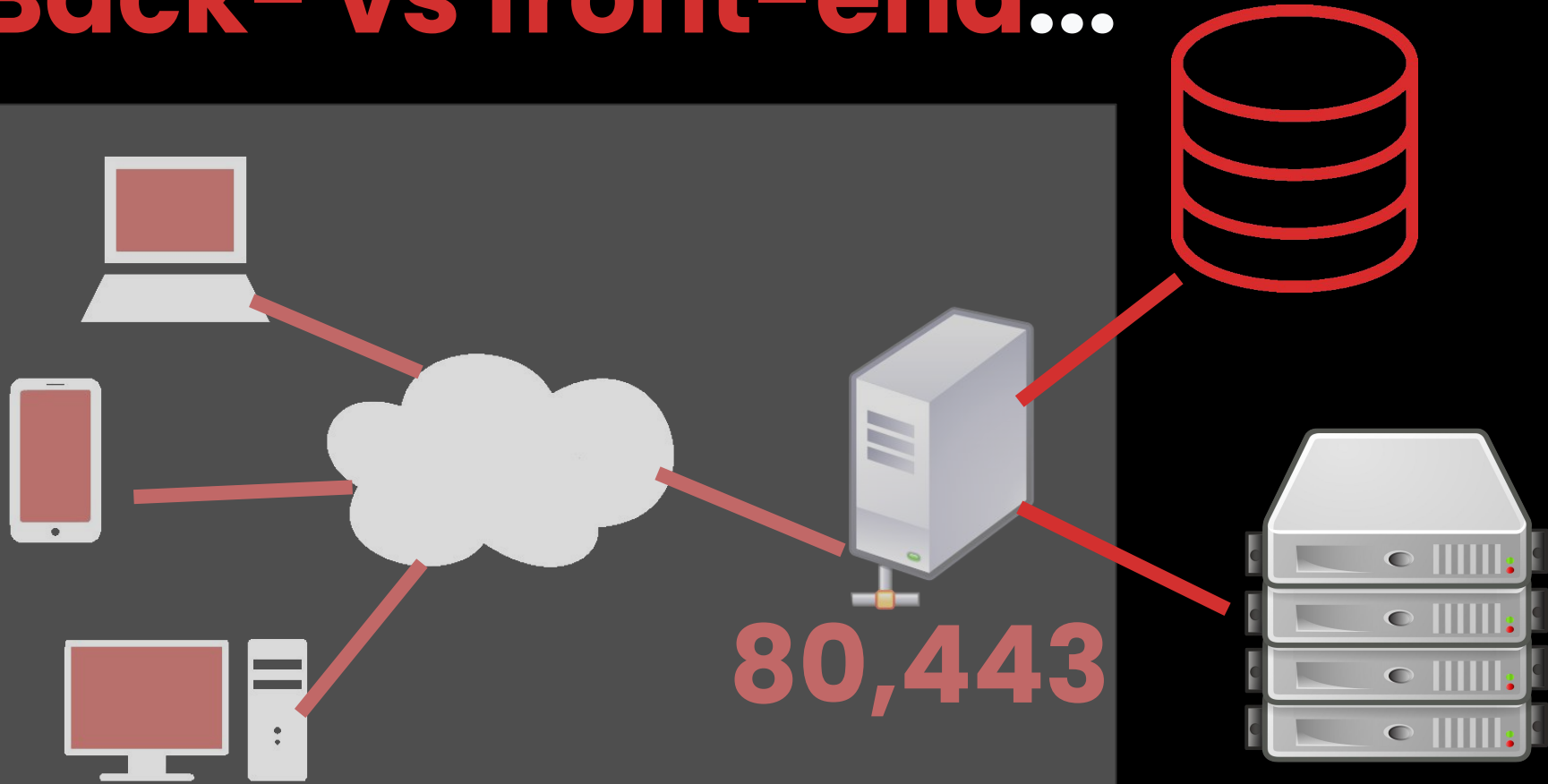
Back- vs front-end...



Back- vs front-end...



Back- vs front-end...



SQL

SQL...

**Language used for querying
databases**

SQL...

```
SELECT * FROM table_name;  
SELECT * FROM users;
```

SQL...

```
SELECT * FROM table_name  
WHERE condition;
```

```
SELECT * FROM users WHERE name = "Jeroen";
```


SQL...

SELECT, UPDATE, INSERT

LAB 1

GOTO:

<https://reader.codaisseur.com/courses/cyber-security-bootcamp/08-databases/db-fiddle>

LAB 2

Your server...

| id | name | server |
|----|--------|--------|
| 0 | Pepijn | 1 |
| 1 | Yann | 1 |
| 12 | Raj | 1 |

| id | name | server |
|----|--------|--------|
| 2 | Bozana | 2 |
| 3 | Filipe | 2 |
| 4 | Marcin | 2 |
| 5 | Tjitze | 2 |
| 6 | Ximena | 2 |

| id | name | server |
|----|-----------|--------|
| 7 | Camilia | 3 |
| 8 | Prawesh | 3 |
| 9 | Willemijn | 3 |
| 10 | Yvonne | 3 |
| 11 | Shangram | 3 |

Challenge...

- **Add a new table called friends**
- **Add a column id, name, birthdate**
- **Add 2 friends**
- **Check that `SELECT count(*) from friends;` returns 2**

GOTO:

<https://reader.codaisseur.com/courses/cyber-security-bootcamp/08-databases/db-fiddle/create-db>

HomeWork

**Read the whole database
section**

The End