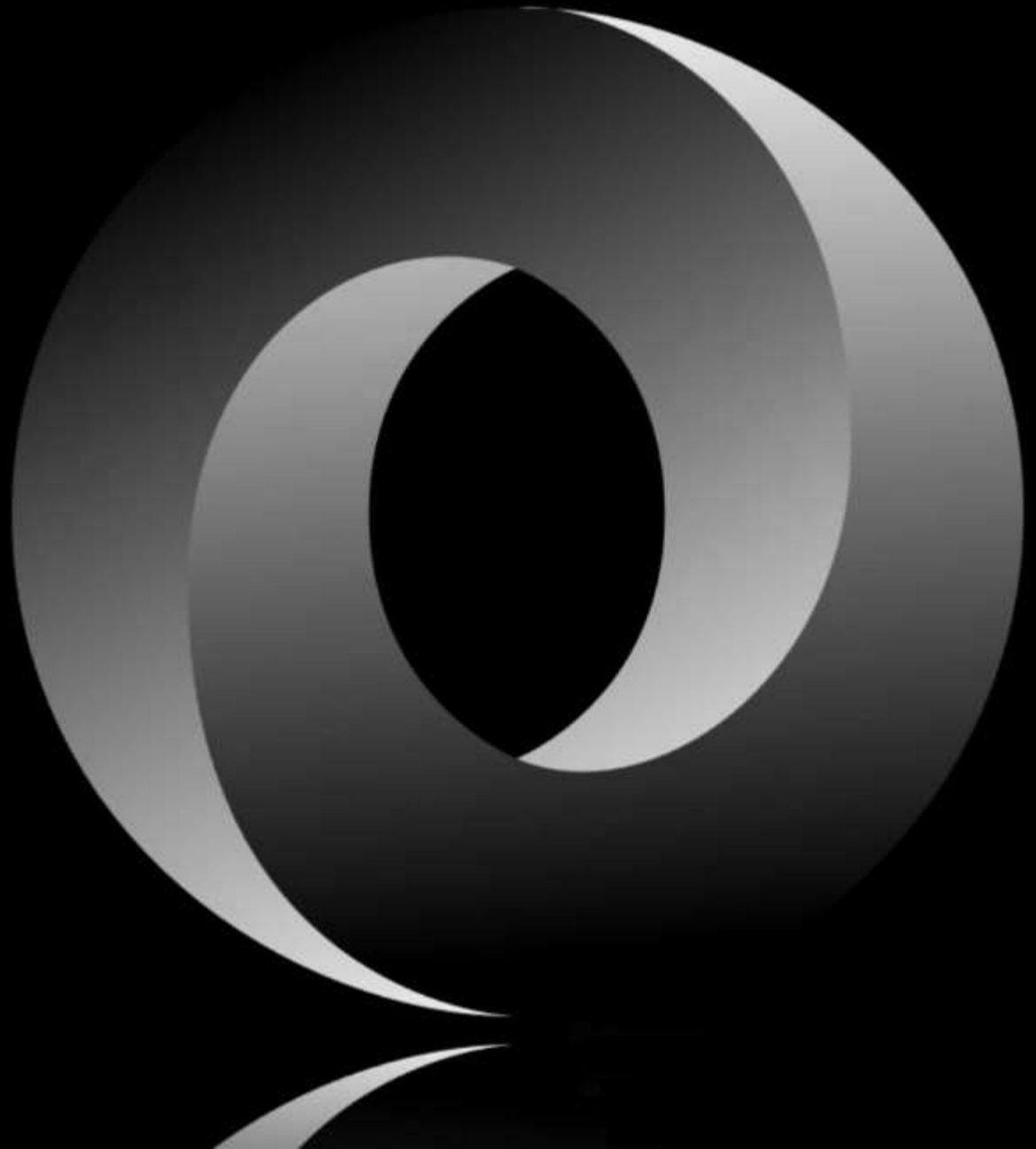
JSON

JAVASCRIPT OBJECT
NOTATION



fazt.dev

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Why Study JSON

- Popular Format used in any programming language
- it's used in REST APIs
- It's used in Databases
- Requirements
  - Basic Programming Knowledge on any language

WHAT IS JSON?

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- LIGHTWEIGHT DATA-INTERCHANGE FORMAT

Formato ligero de intercambio de datos.

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- EASY TO READ AND WRITE
- IT'S USED WITH AJAX

Es muy popular en la web gracias a AJAX significa que en una aplicación web puede recibir y enviar datos en JSON en forma asíncrona

DATA TYPES

TYPES

- numbers
  - Integers and floats are the same
  - 30, 30.1
- strings
  - characters in Unicode
  - it uses double quotes
  - “Hello World”
- boolean
  - true and false
- arrays
  - order list, starts from 0
  - [1, 2, 3]
- object
  - key/value pairs
  - { “nickname”: “fazt” }
- null
  - empty values

JSON RULES

Key : value

Key/value pairs

name : “eugenia”

password : “eugenia123”

country : “spain”

age : 27

“Key” : value

double quotes

“name” : “eugenia”

“password” : “eugenia123”

“country” : “spain”

“age” : 27

“Key” : value

Assignment is needed

“name” : ✗

“password” : “eugenia123” ✓

“country” : asdasdadasd ✗

“age” : 27 ✓

“nickname” : “ ” ✓

```
{
    “Key” : value,
    “key2”: value2
}
```

separated by commas
except last item

```
{
    “name” : “eugenia”,
    “password” : “eugenia123”,
    “country” : “spain”,
    “age” : 27
}
```

```
{
    “Key” : { },
    “key2”: { }
}
```

it could contain more Object

```
{
        “name” : “eugenia”,
        “password” : “eugenia123”,
        “address” : {
                “city”: “london”:
                “street”: “baker street 123”
        },
        “age” : 27
}
```

myfile.json

mydata.json

users.json

xyz.json

mime type
application/json

audio/mp4

text/html

application/pdf

Let’s Code