



mongoDB®

HISTORY

- 2009 was published first version
- Database
- Cloud

NOSQL

- Not only SQL
- Non-relational
- Records are displayed like a list
- Small amount of data

```
_id: ObjectId("5fb12b98e6c5413f5d5556c7")  
label: "Samsung"  
model: "Galaxy Tab s7"  
category: "Tablet"  
weight: 500  
✓ tags: Array  
  0: "fast"  
  1: "new"  
✓ information: Object  
  made: "Vietnam"  
  system: "Android"  
  date: "Sun Nov 15 2020 14:22:32 GMT+0100"
```

SQL

- MySQL, Oracle ...

ID	Name	Vorname
1	Peter	Mustermann
2	Vanessa	Musterfrau

NOSQL VS SQL

NoSQL	SQL
Distributed database management system	Relational database management system
Horizontally scalable	Vertically scalable
Dynamic schema	Fixed or predefined schema
Not suitable for complex queries	Can be used for complex queries

```
_id: ObjectId("5fb12b98e6c5413f5d5556c7")
label: "Samsung"
model: "Galaxy Tab s7"
category: "Tablet"
weight: 500
tags: Array
  0: "fast"
  1: "new"
information: Object
  made: "Vietnam"
  system: "Android"
date: "Sun Nov 15 2020 14:22:32 GMT+0100"
```

ID	Name	Vorname
1	Peter	Mustermann
2	Vanessa	Musterfrau