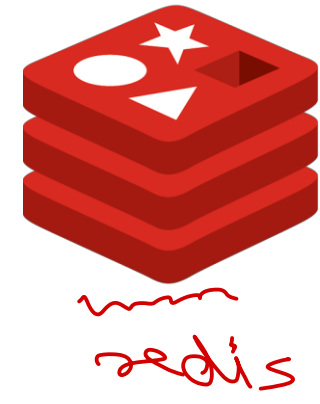
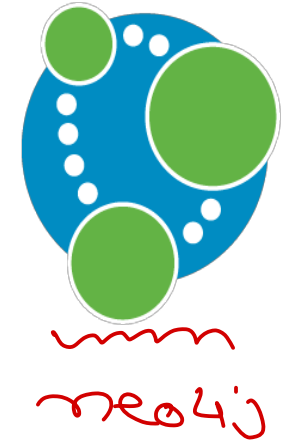
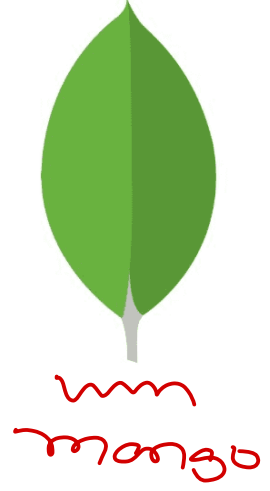


~~SOL~~

→ NoSQL
~~~~~  
↓

Anti  
~~~~~



NoSQL Databases

Trainer: Mr. Nilesh Ghule

Database

- A database is an organized collection of data, generally stored and accessed electronically from a computer system
- A database refers to a set of related data and the way it is organized
- Database Management System
 - Software that allows users to interact with one or more databases and provides access to all of the data contained in the database
- Types
 - RDBMS
 - NoSQL
 - NewSQL



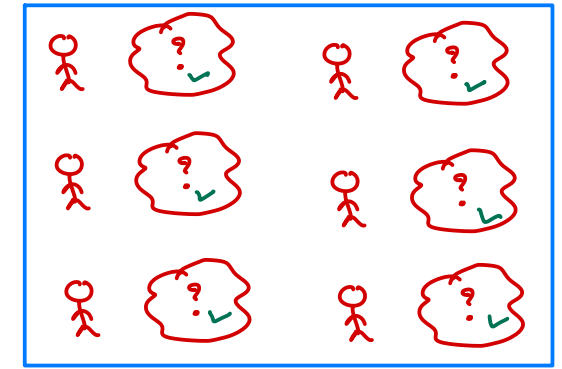
RDBMS

- The idea of RDBMS was borne in 1970 by E. F. Codd.
- Structured and organized data
- Structured query language (SQL)
- DML, DQL, DDL, DTL, DCL.
- Data and its relationships are stored in separate tables.
- Tight Consistency
- Based on Codd's rules
- ACID transactions.
 - Atomic
 - Consistent
 - Isolated
 - Durable



NoSQL

- Refer to non-relational databases
- Stands for ~~Not Only SQL~~
- Term NoSQL was first used by Carlo Strozzi in 1998.
- No declarative query language ~~SQL~~
- No predefined schema, Unstructured and unpredictable data
- Eventual consistency rather ACID property
- Based on CAP Theorem
- Prioritizes high performance, high availability and scalability
- BASE Transaction
 - Basically Available 24×7
 - Soft state
 - Eventual consistency



last.fm → international
Conference
↓
2004 → twitter invitation
#nosql
↓
nosql





Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

