1/history :

SQL has been around for 40years it’s widely known and safe but it uses predefined schemas.

NoSQL more flexible as the schema can be defined

2/scalability:

SQL is scaled vertically.

NoSQL horizontally

3/structure:

SQL tables with columns and rows.

NoSQL key-value(document based)

4/Properties:

* **Atomicity** means all transactions must succeed or fail completely. They cannot be partially-complete, even in the case of system failure.
* **Consistency** means that at each step the database follows invariants: rules which validate and prevent corruption.
* **Isolation** prevents concurrent transactions from affecting each other. Transactions must result in the same final state as if they were run sequentially, even if they were run in parallel.
* **Durability** makes transactions final.