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| **Parameter** | **SQL** | **NoSQL** |
| Relational/Non-Relational | SQL is a relational database | NoSQL is a non-relational database |
| Query Language | Uses structured query language | No declarative query language |
| Used for: | SQL Databases are used for OLAP systems | NoSQL Databases were developed in response to demands presented for the development of modern applications |
| Schema | SQL Databases have a pre-defined schema | NoSQL Databases use dynamic databases for unstructured data |
| Scalability | Vertically scalable | Horizontally Scalable |
| Type | These are table-based databases | NoSQL databases can be document based, key-value pairs, or graph databases |
| Hierarchical data storage | SQL Databases are not suited for hierarchical data storage | NoSQL Databases are more suited for hierarchical data storage as they support |
| Examples | Oracle, Postgres, and MS-SQL | MongoDB, Redis, Neo4j, Cassandra |