NO SQL Database

DynamoDB

- It is fully manged NOSQL databse

- Uses dynamo model in essence of its design

- Allow any amount of data

- Serving any amount traffic

- It automatically disctributes traffic, dynamically manages the request

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| Sr | Common Task | RDBMS | DynamoDB |
| 1 | Connection | Persistance connection and SQL | http request and API operations |
| 2 | create table | Can create a table using SQL | Uses primary key |
| 3 | Read table | SELECT | Getitem, query, scan |
| 4 | Index | SQL index | Secondary index |
| 5 | Modify table | UPDATE | Updateitem |
| 6 | Delete table data | DELETE | Deleteitem operation |
| 7 | Delete a table | DROP TABLE | DELETE TABLE |

|  |  |  |
| --- | --- | --- |
| Sr | SQL | NOSQL |
| 1 | Cluster | Cluster |
| 2 | Database | Database |
| 3 | Table | Collection |
| 4 | Row | Document |
| 5 | Column | Field |

Types of NOSQL database

1. Document DB
2. Key value pair
3. Graph oriented
4. Column oriented
5. Time series

MongoDB primitives datatypes in golang

1. primitive.objectid[objectid hash]
2. bson.D [Document]
3. bson.M [Map]
4. bson.A [Array]