MongoDB

Trishla Shah

trishla.it@gmail.com

trishla@dal.ca

What is NoSQL?

- "Not Only SQL"

- It doesn't store data in form of tables (No Tables. Non-Relational).

- Used for big data and real-time web apps.

- Different types of NoSQL databases are available in the market.

"Big Data" – The next boom

- Data sets are massive and complex. Traditional databases are insufficient to handle high processing requirements of the data.

- Best examples – Social network, search engines etc.

- Challenges in storage, capture, analysis, transfer etc.

NoSQL v/s RDBMS

- Handles Big Data

- Data Models – No pre-defined schema

- Data Structure – NoSQL handles unstructured data

- Cheaper to manage

- Scaling – Scale out/horizontal scaling

Types of NoSQL databases

- Document databases [MongoDB, CouchDB]

- Column databases [Apache, Cassandra]

- Key-value Stores [Redis, Couchbase Server]

- Cache Systems [Redis, Memcache]

- Graph Databases [Neo4J]

Lets have a look at "MongoDB"

https://www.youtube.com/watch?v=CvIr-2lMLsk

Thank-you!!!