Homework - 7

Maximum points = 20 (10+10)
Results to be uploaded in Blackboard

Question-1

Match each of these rows to MongoDB or Cassandra or Both or N/A (not applicable)

1. Distributed NoSQL Database
2. All nodes in clusters are peers
3. Highly Available DB
4. Highly Consistent DB
5. Tunable Consistency

Sample answer will look like :
Distributed NoSQL Database = N/A
This sample answer may or may not be true

Question-2

Fill in the blanks

Query-First Design is applicable to ____ DB. This means that instead of looking at the data or domain model and designing the ____ as done in RDBMS, we design the ____ first based on application demands. Then based on the data query needs, define the __ structure.

Queries on OLTP databases typically process __ amount of rows whereas analytical queries on data warehouses process __ amounts of rows.

In a Key-Value store DB, we query based on the __ and this returns the __ .

Data lake is more than just a dump of data in __ storage. If there is lack of proper organization, data lakes degenerate into data __ .