# Big Data Hadoop Training

Session 17 Assignment 1 Solution:

**1. What is NoSQL data base?**

**A.**

* NoSQL Databases (DBs) are called Non-Relational or Distributed Databases.
* Data Storage is not based on a single data model. Most outstanding ones are key-value pair, graph, document, and columnar.
* NoSQL DBs use UnQL (Unstructured Query Language) for querying. The syntax of using UnQL varies from database to database. Schemas are dynamic. Each row need not have data for each column.
* Database scaling is possible with horizontal scaling across multiple servers.
* NoSQL database follows the Brewers CAP theorem (Consistency, Availability and Partition tolerance).
* NoSQL DBs get classified based on the data storage type- Graph DBs, Key-Value store DBs, and Document store DBs.

**2. How does data get stored in NoSQl database?**

**A.**

**3. What is a column family in HBase?**

**4. How many maximum number of columns can be added to HBase table?**

**5. Why columns are not defined at the time of table creation in HBase?**

**6. How does data get managed in HBase?**

**7. What happens internally when new data gets inserted into HBase table?**