1. Cassandra is a distributed database from Apache
2. It is highly scalable and designed to manage very large amounts of structured data.
3. Data generally placed on multiple servers, providing high availability and no single point of failure.
4. Cassandra is designed for scaling, performance and continuous uptime.
5. Cassandra is based on master-less ring design.
6. All nodes play an identical role. There is no concept of master node. All nodes communicates with each other equally.
7. Cassandra doesn’t provide rollback of Transaction. But writes are atomic meaning all columns are written are none. When we write a data to Cassandra DB, initially data is written to commit log for durability, then it is written to memtable, when memtable is full it is flushed to actual (SST – Sorted String Table) table.
8. Cassandra provides AP in CAP. But Consistency is tuneable in each write and not set across cluster level or node level.

