No sql data base is used to handle data sets that are not in tabular form.

The features of nosql databases are

Generic data odel:heterogenous containers, including sets,maps and array.

Dynein type discovery and conversion: nosql analytics systems support runtime type identification and conversion so that custom business logic can be used to dictate analytic treatment of variation

Non-relational and de normalised: data is stored in single table as compared to multiple tables

Commodity hardware:adding more of the economical servers allows no sql databases to scale to handle more dara

Highly distributable: distributed databases can store and process a set f information on more than one device

Types of nosql database

Document database:pair each key with a complex data structure known as document

Graph stores:used to store information about networks of data, such as social communication

Wide column stores: store columns of data togather instead of rows

Example of nosql data bases are mongodb,neo4j,hbase ect

2.hive is a data warehouse infrastructure built on top of hadoop. It allows for querying data stored on hdfs for analysis via hql an sql like language that gets translated to mapreduce jobs. Despite providing sql functionality, hive does not provide interactive querying yet – it only runs batch processes on hadoop

hBase is nosql key/value store which runs on top of hdfs.unlike hive,hbase operations run in real time on its database rather than mapreduce jobs. Hbase is partitioned to tables and tables are futher split into column families. Column families which must be declared in the schema, group togather a certain set of colmns. For example the message column family may includde the columns to from date subject and body. Each key/value pair in hbase is defined as a cell, and each key consists of row key column family column and time stamp a row in hbase is a grouping of key value mapping identified by the row key. Hbase enjoys hadoops infrastruscture and scales horizontally using off the shelf servers