1.Explain the difference between Cassandra and typical databases?

Ans. Cassandra is a high performance and highly scalable distributed NoSQL database management system.RDBMS is a database management system or software which is designed for relational databases.Casandra is a NoSQL database.RDBMS uses SQL for querying and maintaining the database.

2.What exactly is CQLSH?

Ans. CQLSH is a command -line interface for interacting with Cassandra using CQL(the Cassandra Query Language).It is shipped with every Cassandra package, and can be found in the bin/directory alongside the Cassandra executable.

3.Explain the Cassandra cluster idea?

Ans. A cluster in Cassandra is one of the shells in the whole Cassandra database. Many Cassandra Clusters combine together to form the database in Cassandra. A cluster is basically the outermost shell or storage unit in a database. The Cassandra Cluster contains many different layers of storage units.

4.Give an example to demonstrate the class notion?

Ans. Python is an object oriented programming language. A class is like an object constructor, or a “blueprint” for creating objects.

Example: class My class: x=5

5.Use an example to explain the object?

Ans. Everything is in python treated as an object. Every object belong to its class.

For example -An integer variable belongs to integer class. An object is the collection of various data and functions that operate on those data.