1.) Explain the differences between Cassandra and typical databases.





2.) What exactly is CQLSH?

• 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.

• A Cassandra cluster does not have a single point of failure as a result of the peer-to-peer distributed architecture.

Nodes in a cluster communicate with each other for various purposes.

There are various components used in this process:

Seeds: Each node configures a list of seeds which is simply a list of other nodes

4.) Give an example to demonstrate the class notion.

• Python is an object oriented programming language. Almost everything in Python is an object, with its properties and methods. A Class is like an object constructor, or a "blueprint" for creating objects.

EXAMPLE:-

• class MyClass:

x = 5

5.) Use an example to explain the object.

• Example of class and object For example, Person(Human) can be treated as a class which has properties such as name,age,gender etc. Every individual can be treated as an object of the class human or Person.

Each individual will have different values of the properties of class Person.