## **Explain what is MongoDB?**

Mongo-DB is a document database which provides high performance, high availability and easy scalability.

## **What is “Namespace” in MongoDB?**

MongoDB stores BSON (Binary Interchange and Structure Object Notation) objects in the collection. The concatenation of the collection name and database name is called a namespace.

## **What is sharding in MongoDB?**

The procedure of storing data records across multiple machines is referred as Sharding. It is a MongoDB approach to meet the demands of data growth. It is the horizontal partition of data in a database or search engine. Each partition is referred as shard or database shard.

## **Explain what is a replica set?**

A replica set is a group of mongo instances that host the same data set. In replica set, one node is primary, and another is secondary. From primary to the secondary node all data replicates.

## **Explain what is the role of profiler in MongoDB?**

MongoDB database profiler shows performance characteristics of each operation against the database. You can find queries using the profiler that are slower than they should be.

## **Explain what are indexes in MongoDB?**

Indexes are special structures in MongoDB, which stores a small portion of the data set in an easy to traverse form. Ordered by the value of the field specified in the index, the index stores the value of a specific field or set of fields.

## **What are alternatives to MongoDB?**

Cassandra, CouchDB, Redis, Riak, [Hbase](https://www.guru99.com/hbase-tutorials.html) are a few good alternatives.

## **Mention what is Objecld composed of?**

Objectld is composed of

* Timestamp
* Client machine ID
* Client process ID
* 3 byte incremented counter