

Familiarize yourself with Cassandra, a so-called “NoSQL” database alternative to more traditional relational databases, e.g., mysql, based on SQL (structured query language). This introductory tutorial provides a brief overview of Cassandra as well as the differences between NoSQL and relational databases. There is very little in this assignment that depends on the nature of the underlying data store, but we need to pick one, and that is Cassandra.

1. Go to <http://cassandra.apache.org> → Documentation → [Getting Started](#) and follow the simple instructions to download and run a single-node Cassandra server and verify that you can create a simple table, insert records into it, and read those inserted records. You should be able to find tutorials online, e.g., [TutorialsPoint](#), to do the following basic operations:

- Create a keyspace
- Create a simple table, say, or persons with an SSN, name, age, and other fields
- Insert a few records
- Select records or fields based on constraints on different fields

2. Learn how to programmatically send queries to the database using drivers. You should be able to successfully run the [cassandra.GettingStarted.java](#) provided in the source code repository for this assignment.