

## Assignment11

**Course- CS548**

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Design the CQL data model for a medical information System. You should provide a schema definition, as a CQL script that defines a data model in a single keyspace, as well as instance Data that demonstrates the use of the data model in cassandra system.

1. In this assignment, I have created 4 main tables in NoSQL for medical information system and 3 treatment types (user defined). To do that first I've created a keyspace "cs548" through which I can access my database tables.
2. Further through, I created 4 tables patient, provider, Treatment\_patient, Treatment\_provider.
3. In addition, there are 3 different types of treatment drugtreatment, radiology, surgery.
4. Drug treatment contains drug name and dosage value. Radiology contains Radiologydates as date value. To add the feature of having multiple dates, I defined Radiology Treatment in the class as List, through which I can store multiple date values, in surgery, there is surgery date and surgery form.
5. In my demonstration video, I've ran queries through dev center by connecting to Cassandra and running the queries against it.
6. I inserted the sample data into the tables, and also displayed those data in video.

**In this submission zip archive-**

In the root folder, there is readme.pdf, CQL script and the video.