**BDM 1024**

**LAB2E**

**Cassandra**

**Submitted by:Group A**

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1. Starting Cassandra with ‘cassandra’ on the location containing bin directory.A screenshot of a computer

   Description automatically generated with medium confidence
2. nodetool status too check status of server

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1. *CREATE KEYSPACE groupA\_Keyspace WITH replication = {'class': 'SimpleStrategy', 'replication\_factor': '2'} AND durable\_writes = true;*

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1. Create and describe table.

*CREATE TABLE employee ( id int, name text, salary double, department text,*

*Primary Key(department,salary, name));*

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1. Insert and select

*insert into employee (id, name, salary, department) values(2,'X', 4000 , 'HR');*

*insert into employee (id, name, salary, department) values(3,'Y', 4000 , 'IT');*

*insert into employee (id, name, salary, department) values(4,'Y', 4000 , 'IT');*

*insert into employee (id, name, salary, department) values(5,'Y', 4000 , 'IT');*

*insert into employee (id, name, salary, department) values(2,'X', 4000 , 'HR*

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1. Update

In Cassandra where clause must contain the partition key and all clustering key.

Here clustering key are salary and name

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1. Create tweets table with counter.

*create table tweets\_count(user varchar PRIMARY KEY, tweets counter);*

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1. Only updates and read are allowed on counter tables. When you want to keep the sequence you use counter .Only in Cassandra not in SQL

*update tweets\_count set tweets=tweets+20 where user='abc';*

Text

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1. User\_tweets\_table

*create table user\_tweets(user varchar PRIMARY KEY, tweet varchar);*

*insert into user\_tweets(user, tweet) values('A', 'what a beautiful day');*

Text

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