**Session 11: Sqoop Flume**

Assignment 11.2

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Course: Big Data Hadoop & Spark Training

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**Assignment 11.2**–

Perform incremental load in Hive, Read from MySQL Table and load it in Hive table. Create hive table if it does not exist. If it exists, perform the incremental load.

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# Introduction

In this assignment, we are going perform incremental load in HIVE using Sqoop.

# Problem Statement

Perform incremental load in Hive

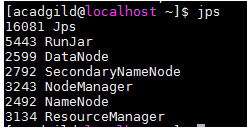
Read from MySQL Table and load it in Hive table.

Create hive table if it does not exist.

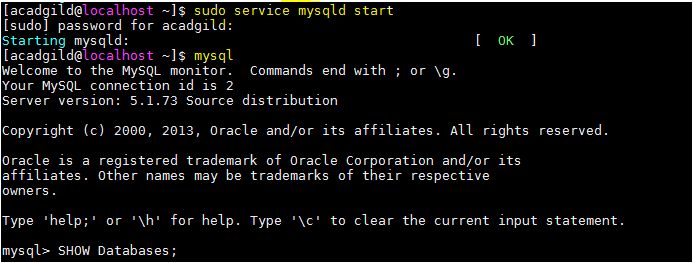
If it exists, perform the incremental load.

# Prerequisite

1. Make sure all the hadoop daemons are started,

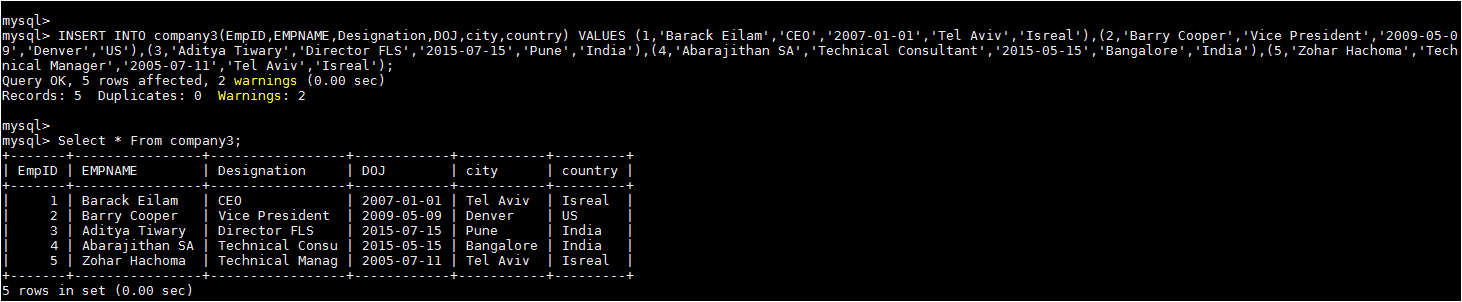
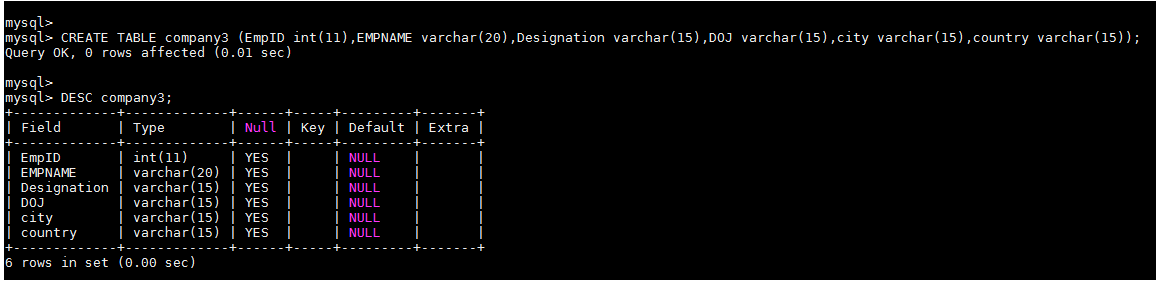


1. Start the mysql shell,



# Task

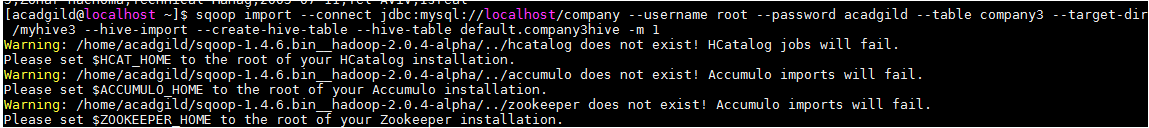
1. We are using the existing DB ‘**company’**
2. Create a table ‘company3’ and insert data into it.

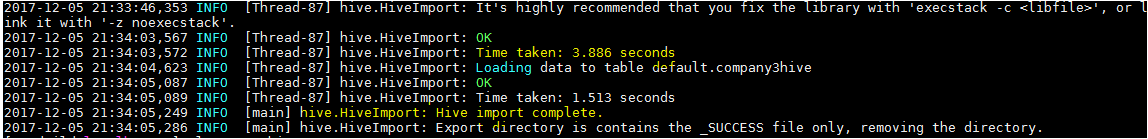


1. Since the data is present in table of MySQL and Sqoop is up and running, import the

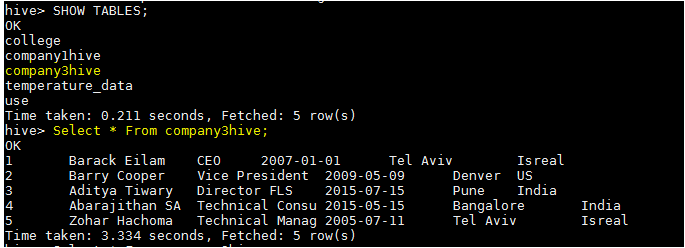
data into HIVE using the command

***sqoop import --connect jdbc:mysql://localhost/company --username root --password acadgild --table company3 --target-dir /myhive3 --hive-import --create-hive-table --hive-table default.company3hive -m 1***



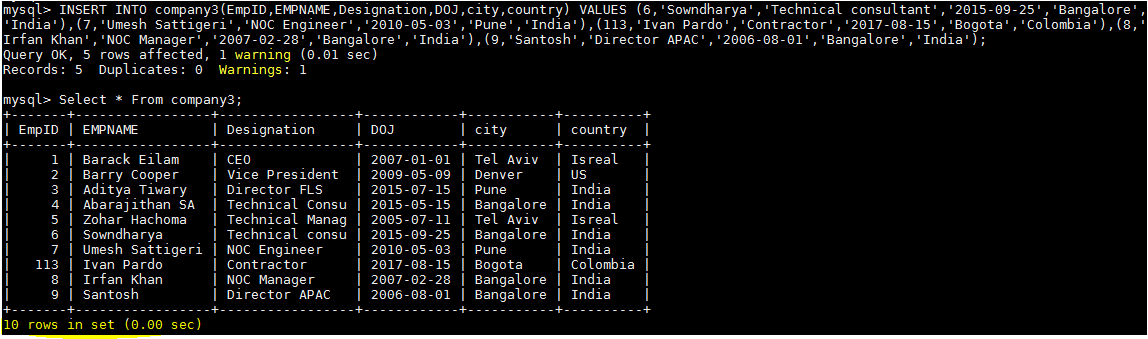


1. Let’s check the data in the hive table,



1. Inserted new values to the table employee.

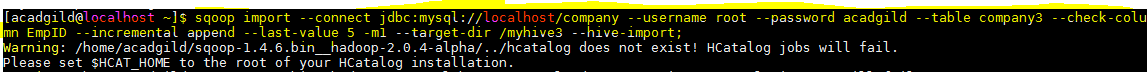
***INSERT INTO company3(EmpID,EMPNAME,Designation,DOJ,city,country) VALUES (6,'Sowndharya','Technical consultant','2015-09-25','Bangalore','India'),(7,'Umesh Sattigeri','NOC Engineer','2010-05-03','Pune','India'),(113,'Ivan Pardo','Contractor','2017-08-15','Bogota','Colombia'),(8,'Irfan Khan','NOC Manager','2007-02-28','Bangalore','India'),(9,'Santosh','Director APAC','2006-08-01','Bangalore','India');***



1. After inserting the new values in the table in MySQL shell, we shall import the updated

values into HIVE by using the INCREMENTAL command

***sqoop import --connect jdbc:mysql://localhost/company --username root --password acadgild --table company3 --check-column EmpID --incremental append --last-value 5 -m1 --target-dir /myhive3 --hive-import;***



In this command we are updating the new values by comparing the existing values of the table with the column EmpID*.*