Assignment 20.1

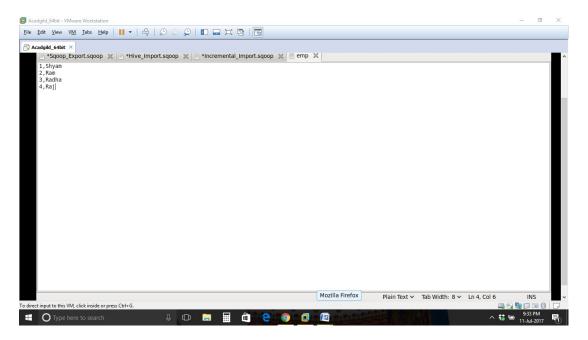
Problem Statement

Perform UPSERT in Sqoop export.

Read a file from HDFS and based on the id field, perform UPSERT in MySQL table.

In UPSERT, if the field exists, then it is updated else it is inserted.

1. Emp file in local file system



File copied to HDFS

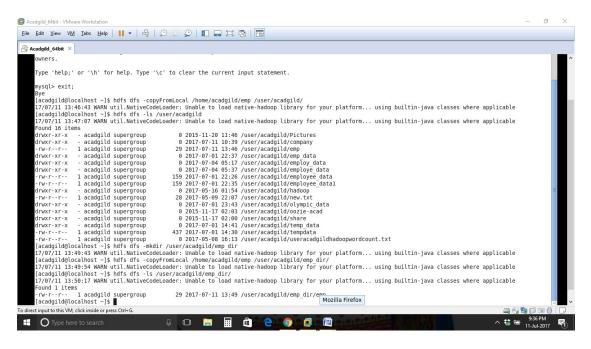
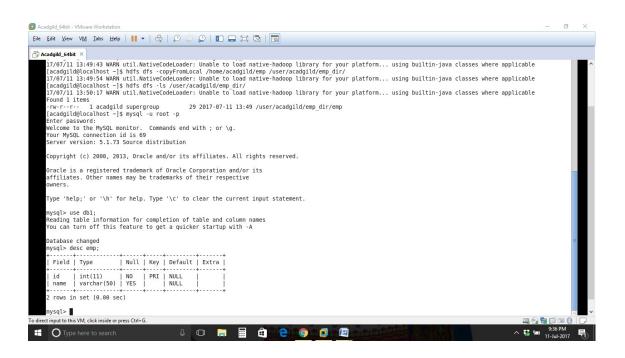
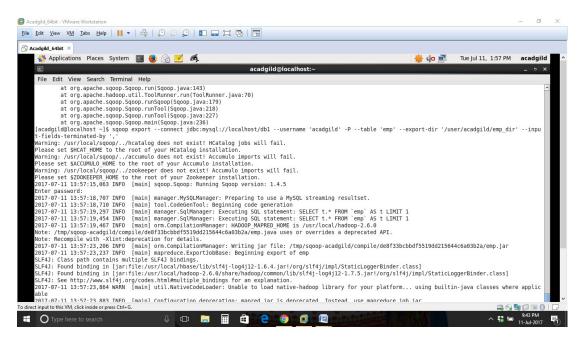


Table created in mysql

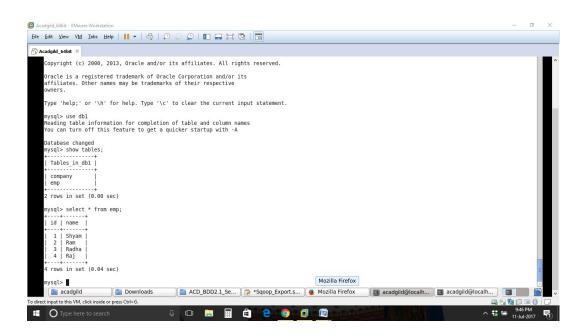


Sqoop command to export data from hdfs to mysql

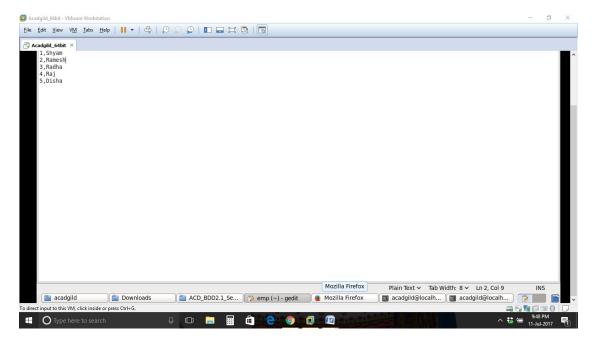
Sqoop export –connect jdbc:mysql://localhost/db1 –username 'acadgild' –P –table 'emp' –export-dir '/user/acadgild/emp dir' –input-fields-terminated-by ','



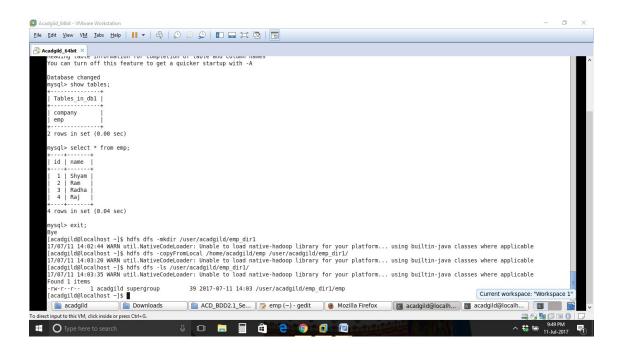
Data exported from hdfs to mysql



Emp file in local system is changed

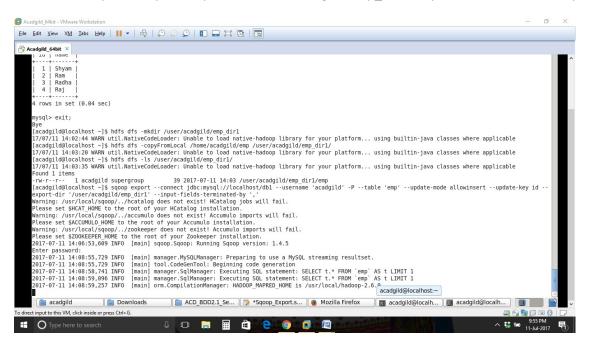


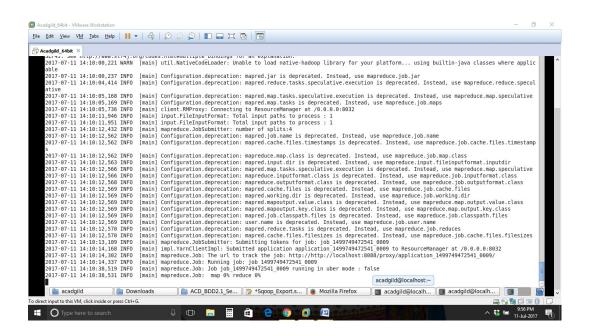
Changed emp file copied into hdfs



Sggop command to do upsert (update if row exists otherwise insert)

Sqoop export –connect jdbc:mysql://localhost/db1 –username 'acadgild' –P –table 'emp' –update-mode allowinsert --update-key id –export-dir '/user/acadgild/emp_dir1' –input-fields-terminated-by ','





Select query shows existing row (row no 2) is updated and new rows (row 5) is inserted

