This Data set is about Olympics. You can download the data set from the below link:

https://drive.google.com/open?id=0ByJLBTmJojjzV1czX3Nha0R3bTQ

DATA SET DESCRIPTION

The data set consists of the following fields.

Athlete: This field consists of the athlete name

Age: This field consists of athlete ages

Country: This fields consists of the country names which participated in Olympics

Year: This field consists of the year

Closing Date: This field consists of the closing date of ceremony

Sport: Consists of the sports name

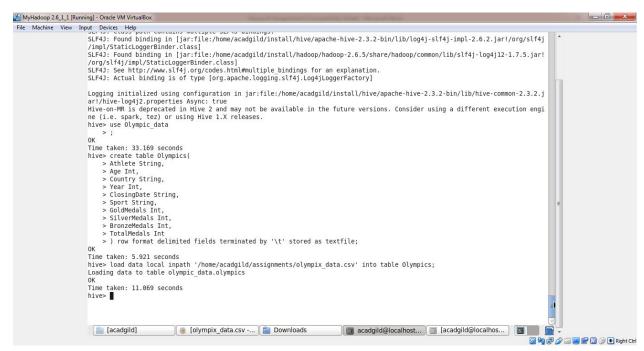
Gold Medals: No. of Gold medals

Silver Medals: No. of Silver medals

Bronze Medals: No. of Bronze medals

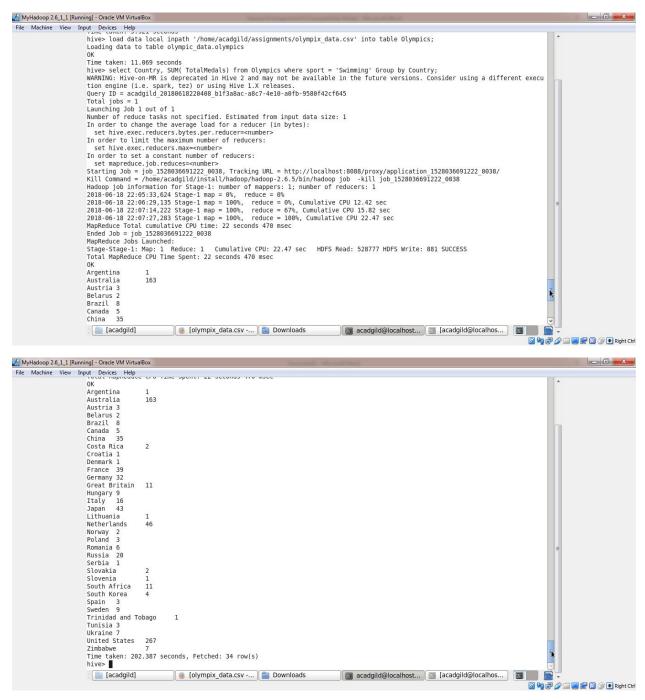
Total Medals: Consists of total no. of medals

Load input data into db:

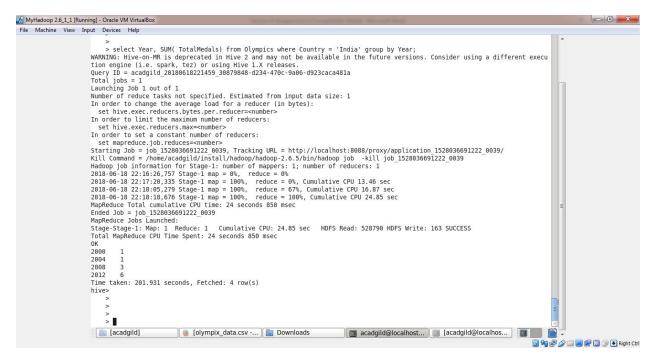


Task 1

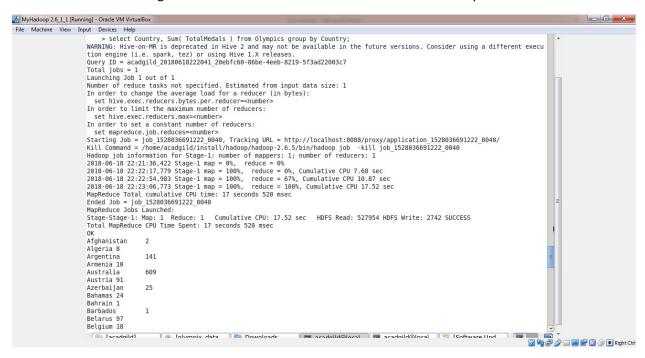
1. Write a Hive program to find the number of medals won by each country in swimming.



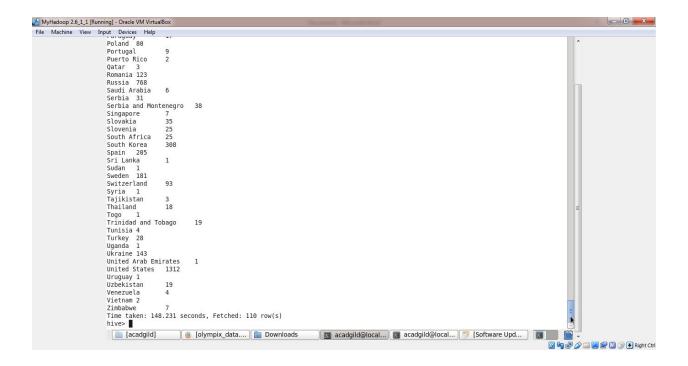
2. Write a Hive program to find the number of medals that India won year wise.



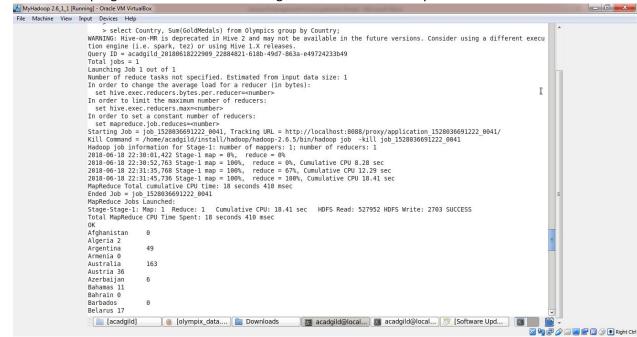
3. Write a Hive Program to find the total number of medals each country won.

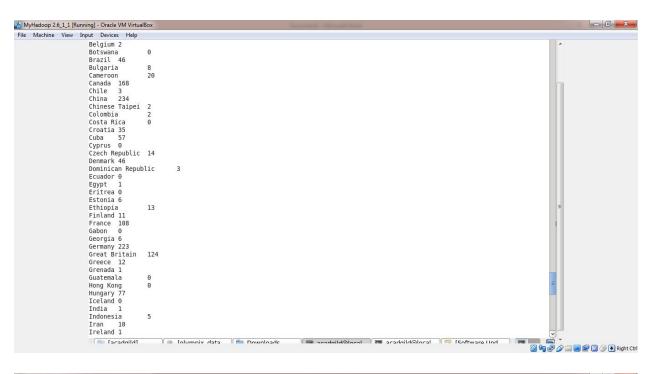






4. Write a Hive program to find the number of gold medals each country won.







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Portugal
Puerto Rico
Qatar 0
Romania 57
Russia 234
                             Saudi Arabia 0
Serbia 1
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                             Singapore
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                             Slovakia
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Slovenia
South Africa
South Korea
Spain 19
Sri Lanka
Sudan 0
Sweden 57
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Thailand 6
Togo 0
Trinidad and Tobago
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Uganda 1
Ukraine 31
United Arab Emirates
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Task 2

Write a hive UDF that implements functionality of string concat_ws(string SEP, array<string>).

This UDF will accept two arguments, one string and one array of string.

It will return a single string where all the elements of the array are separated by the SEP.

Created a jar for the above with name ConcatWs.jar.



Added jar to hive using Add jar command and verified if jar is added using list jars command.



Create a temporary function for the class Concat_Ws with name Concat.

Run the function with some examples.

Task 3

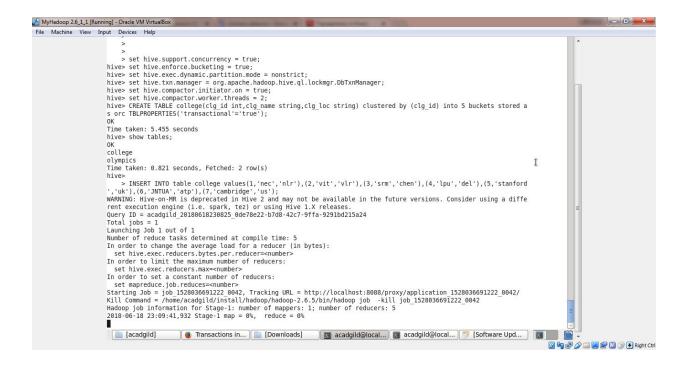
Link: https://acadgild.com/blog/transactions-in-hive/

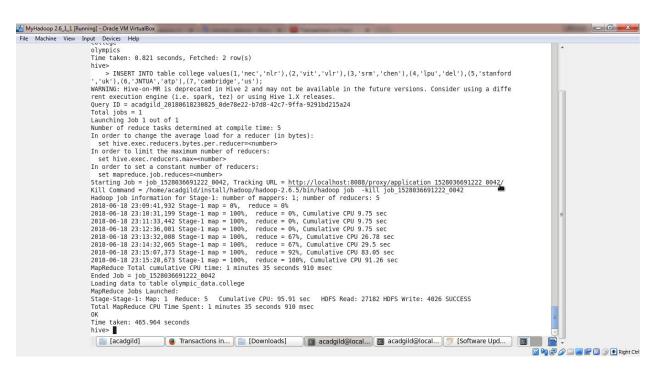
Refer the above given link for transactions in Hive and implement the operations given in the blog using your own sample data set and send us the screenshot.

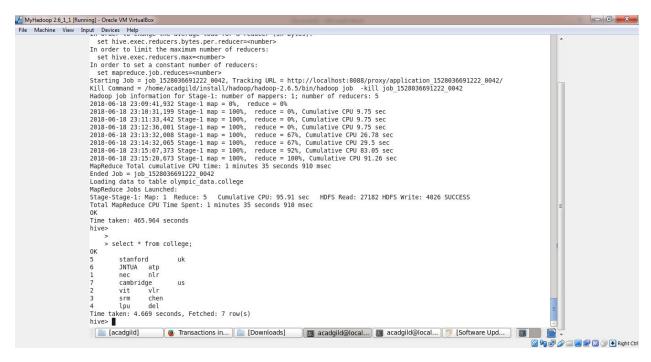
Below properties need to be set in hive shell so that insert, update and delete operations will work perfectly.

Create a table College with columns clg_id, clg_name, clg_loc columns.

Insert some values to college table as below.



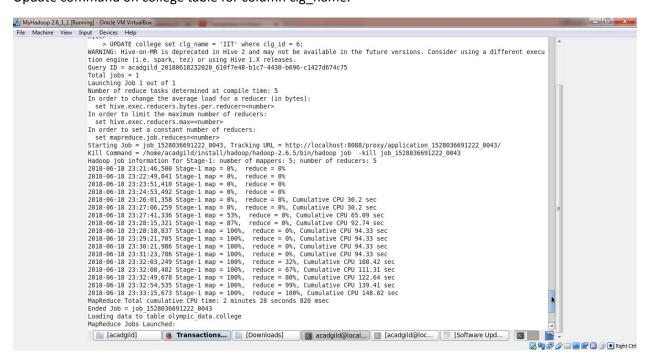




Below is an update command on a bucketed column which shows error that it is not supported.



Update command on college table for column clg name.





Delete command on college table which has column clg_id = 5.

