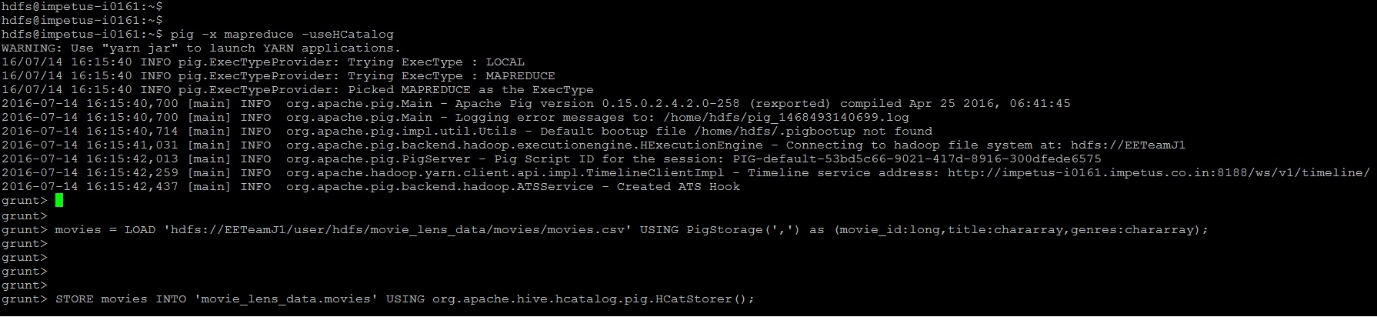
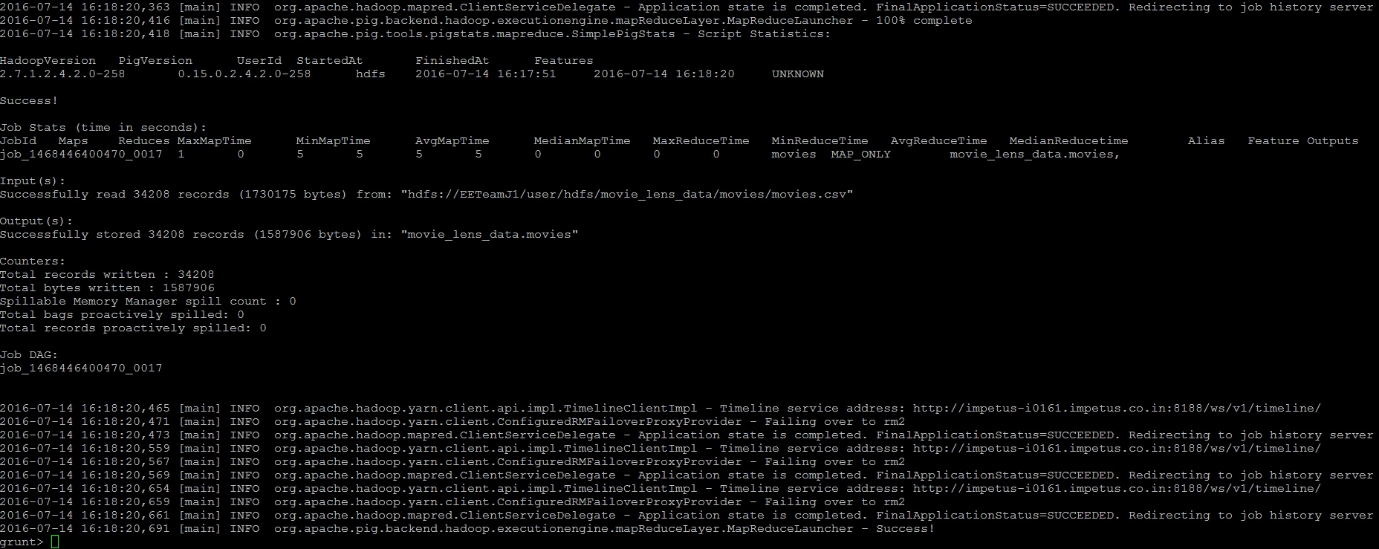
**Data upload using PIG**

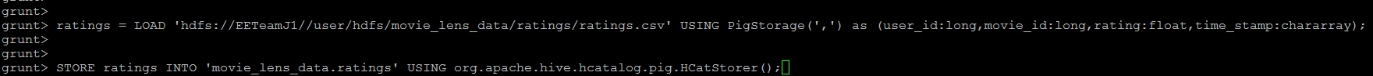
Load Movies data into HIVE table:



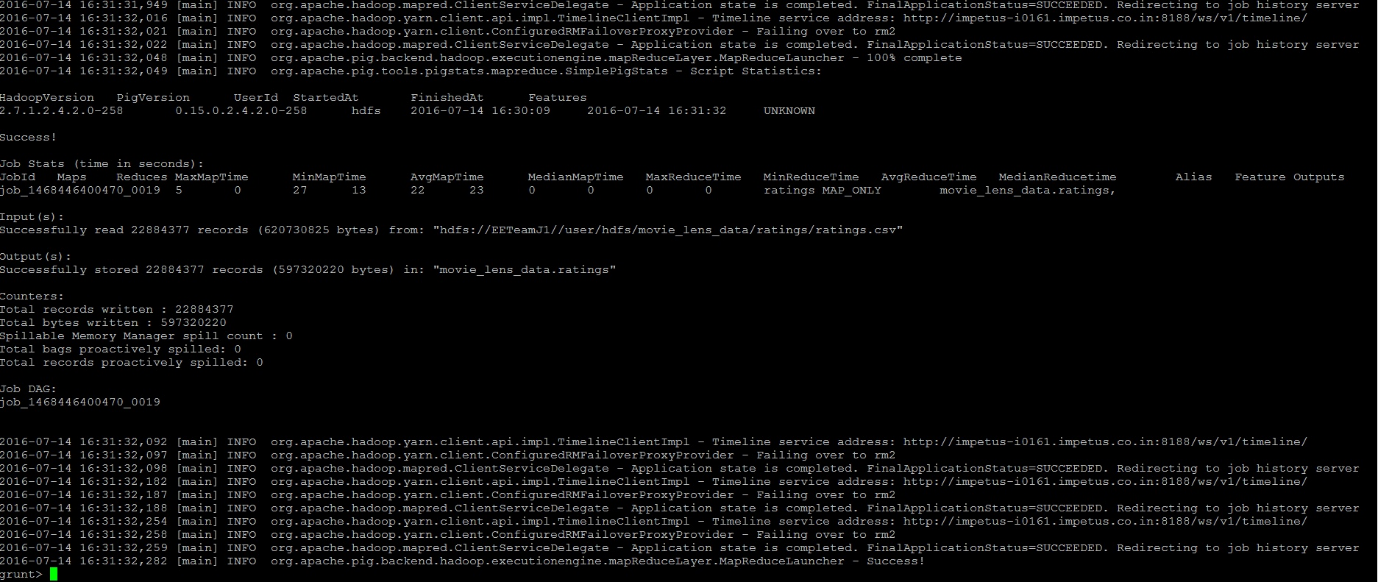
Movie data upload result:



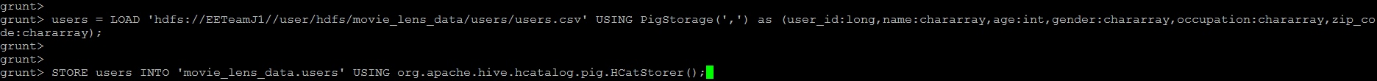
Load Ratings data into HIVE table:



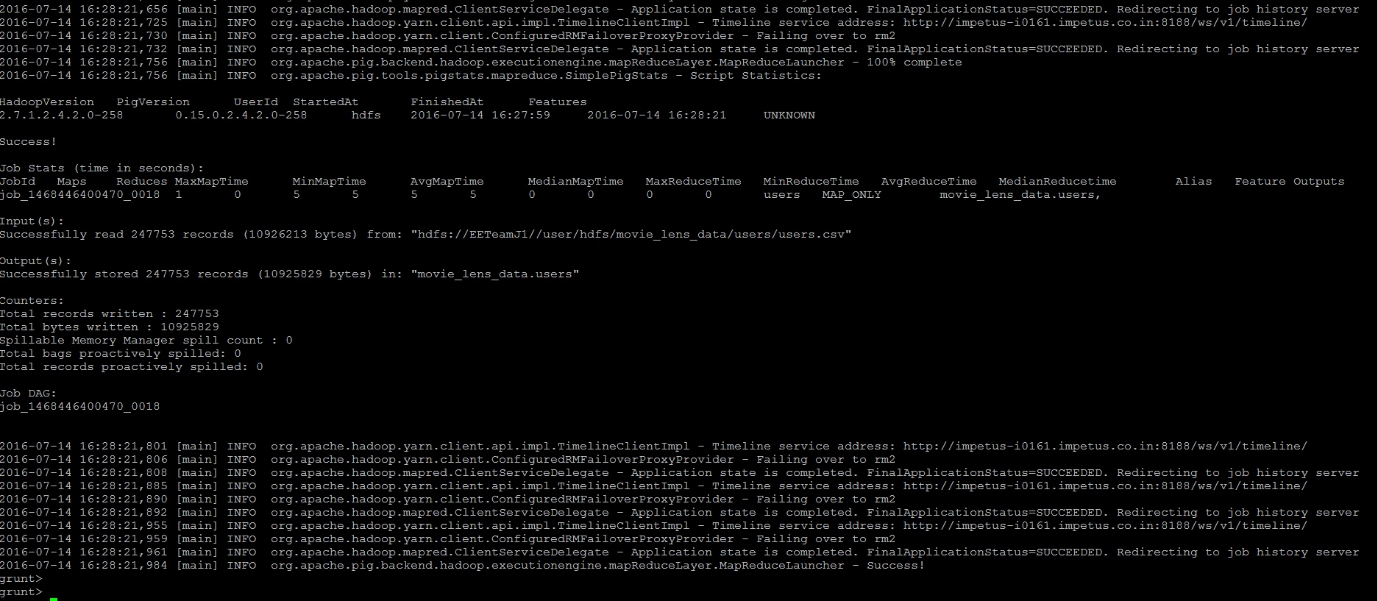
Ratings data upload result:



Load Users data into HIVE table:

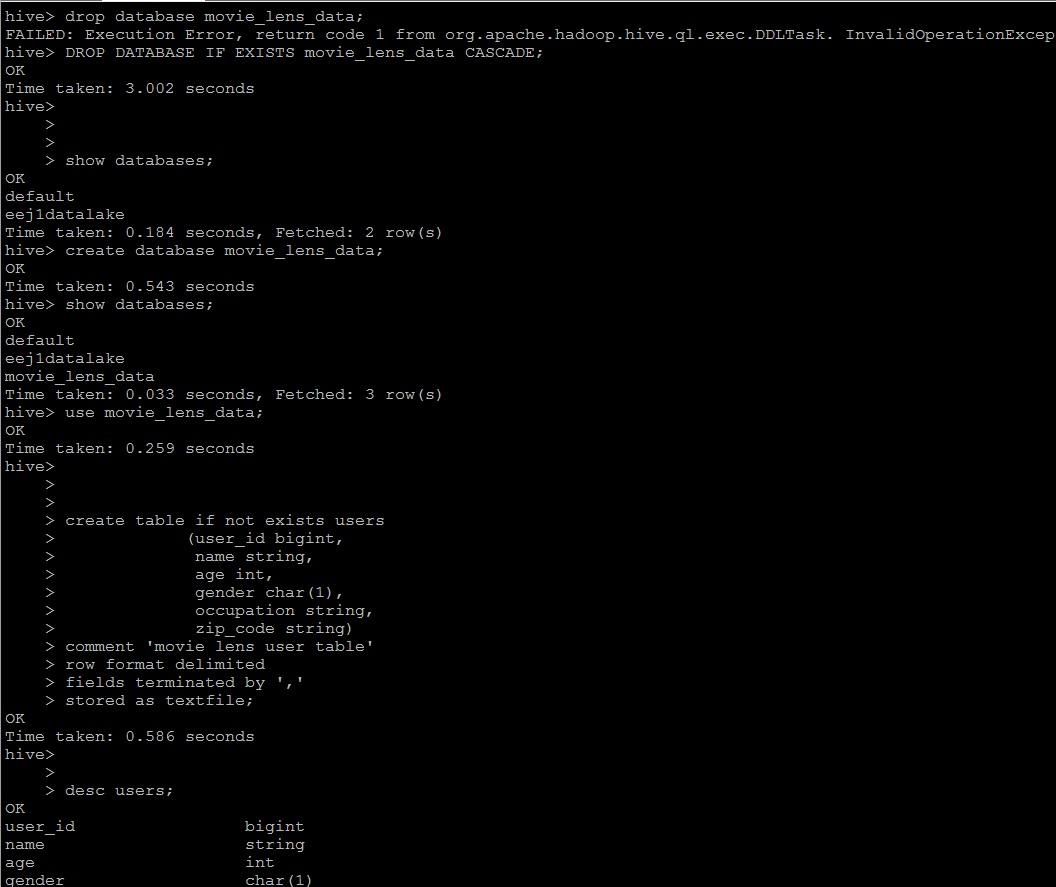


Users data upload result:

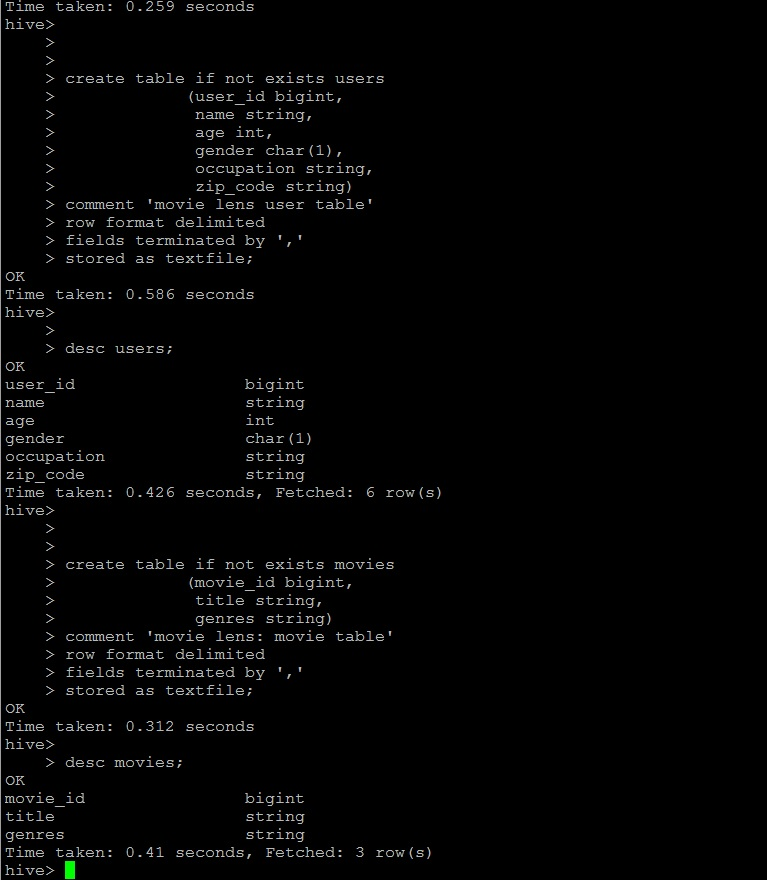


**HIVE Queries execution:**

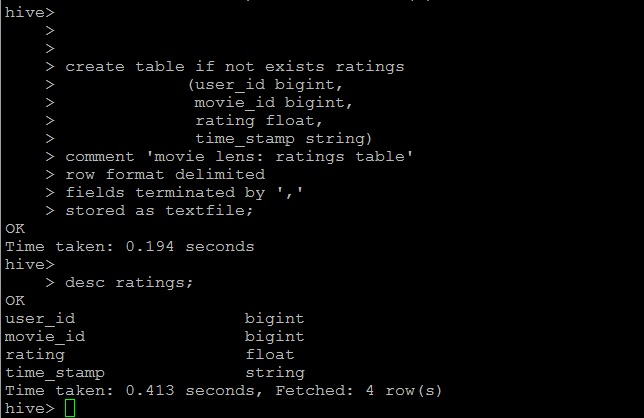
**Create Database & Users table:**



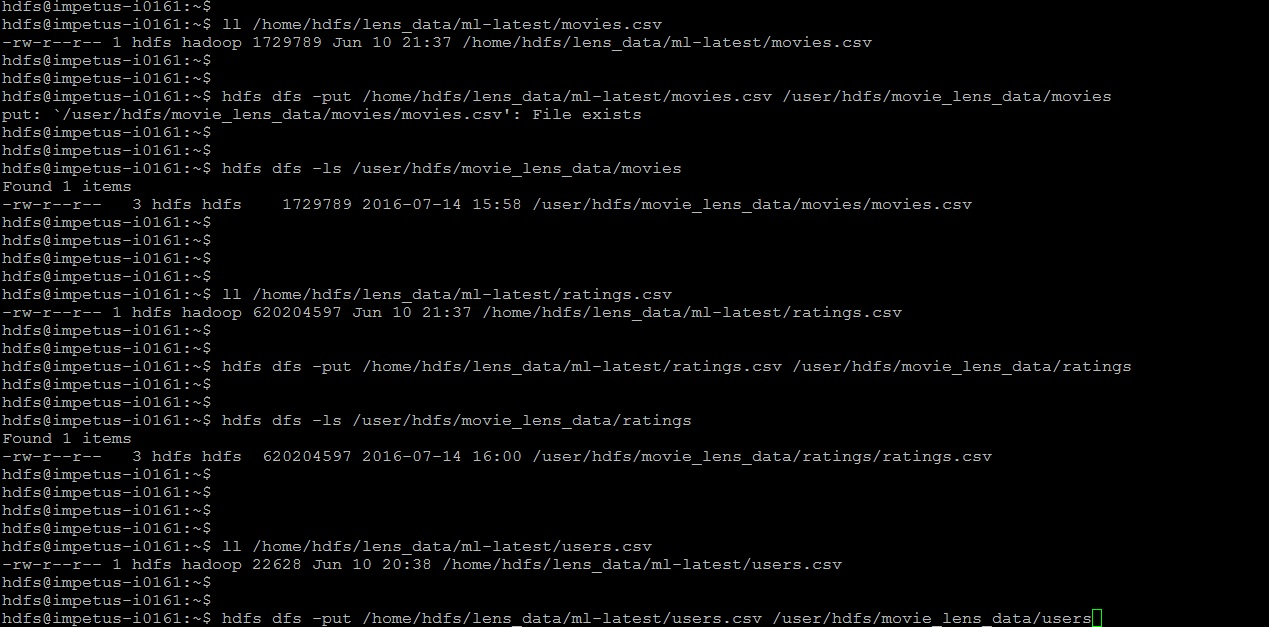
**Create Movies Table:**



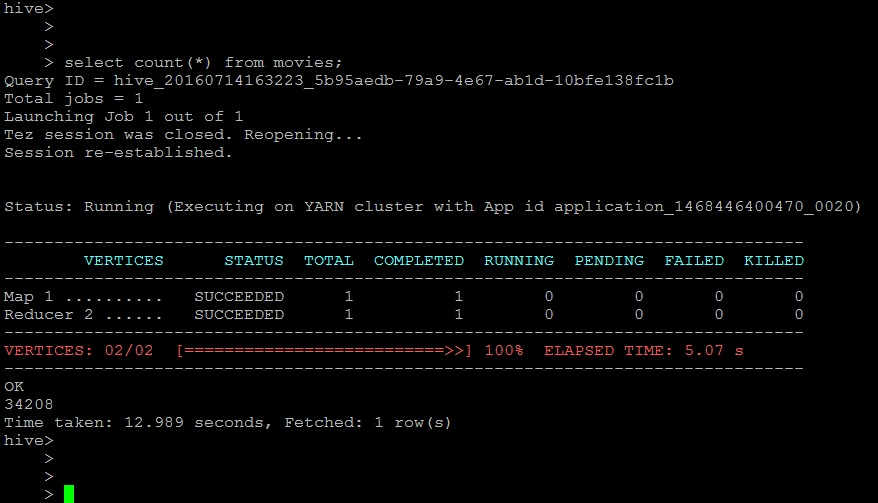
**Create Ratings Table:**



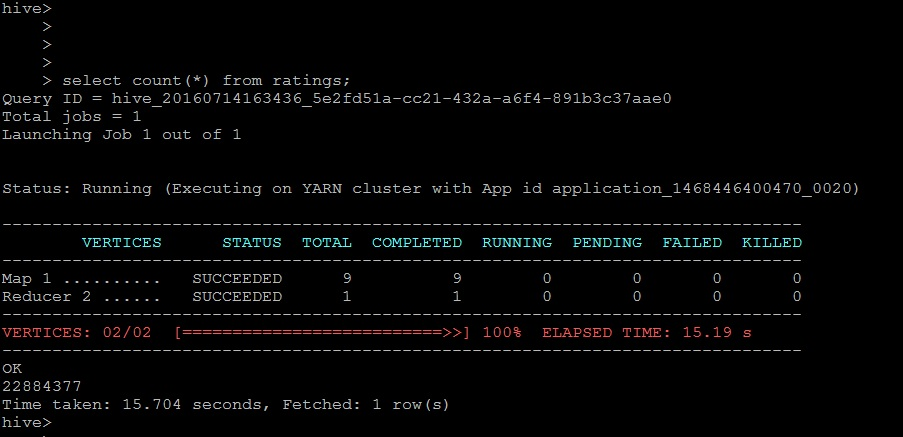
**Load Data to HDFS:**

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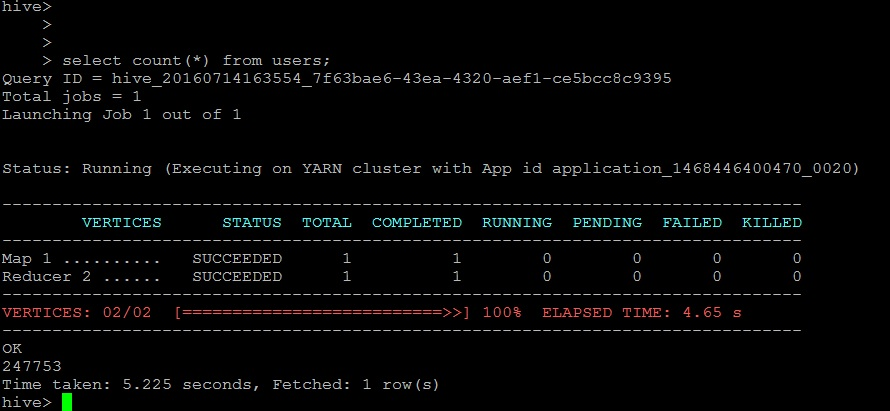
**Movies Count Verification:**

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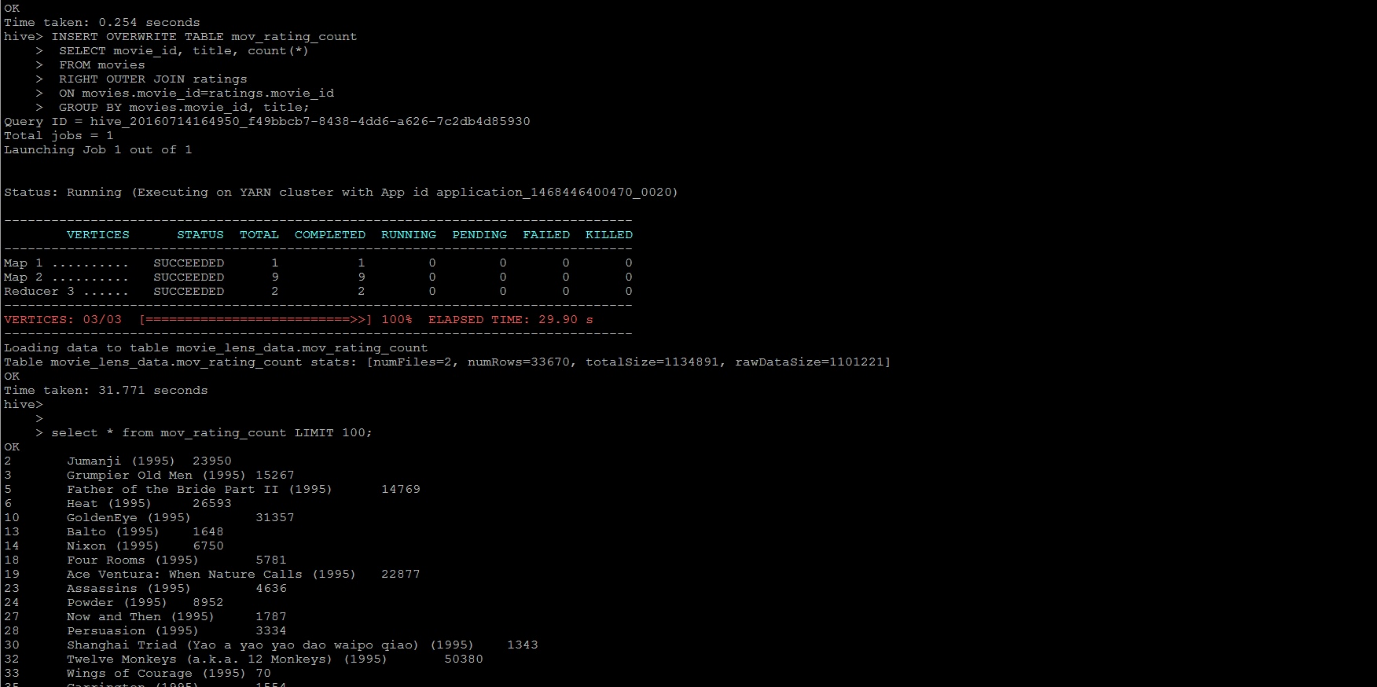
**Ratings Count Verification:**

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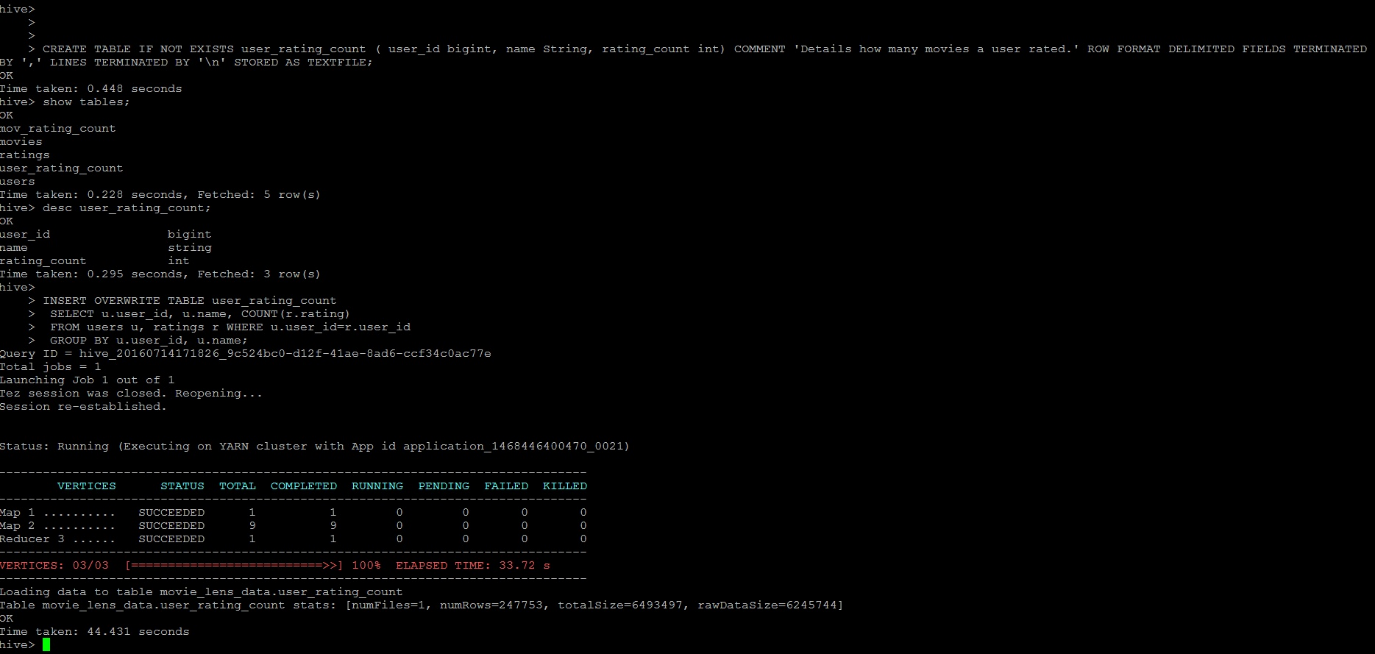
**Users Count Verification:**

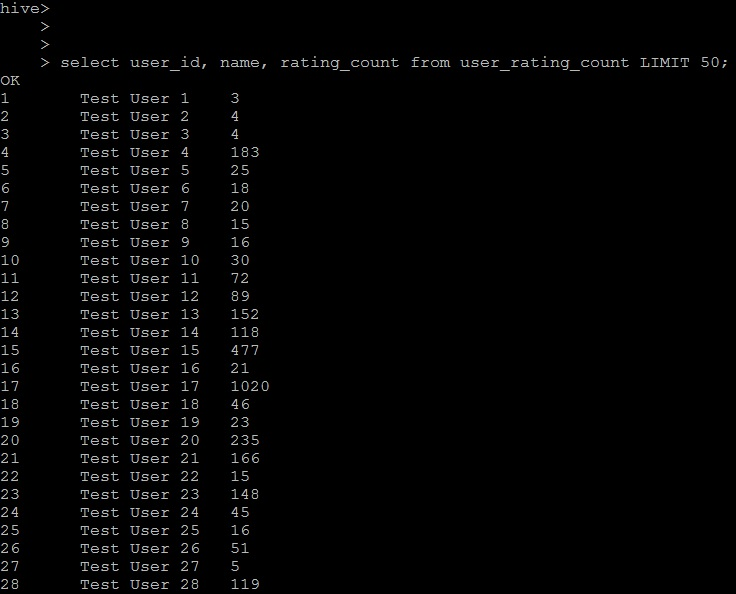
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**Use Case #1: List all the movies and the number of ratings**



**Use Case #2: List all the users and the number of ratings they have done for a movie**

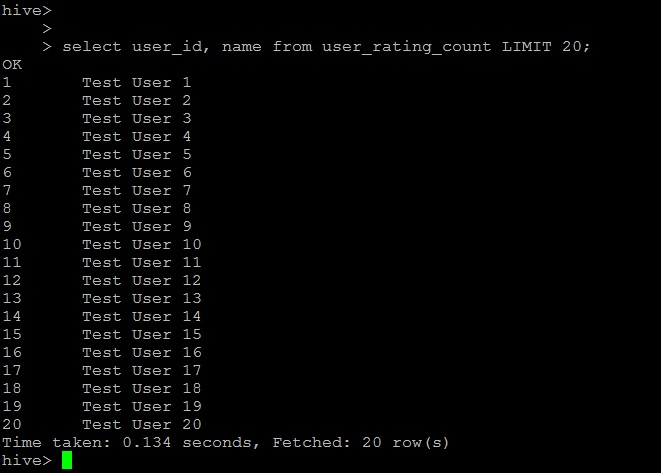
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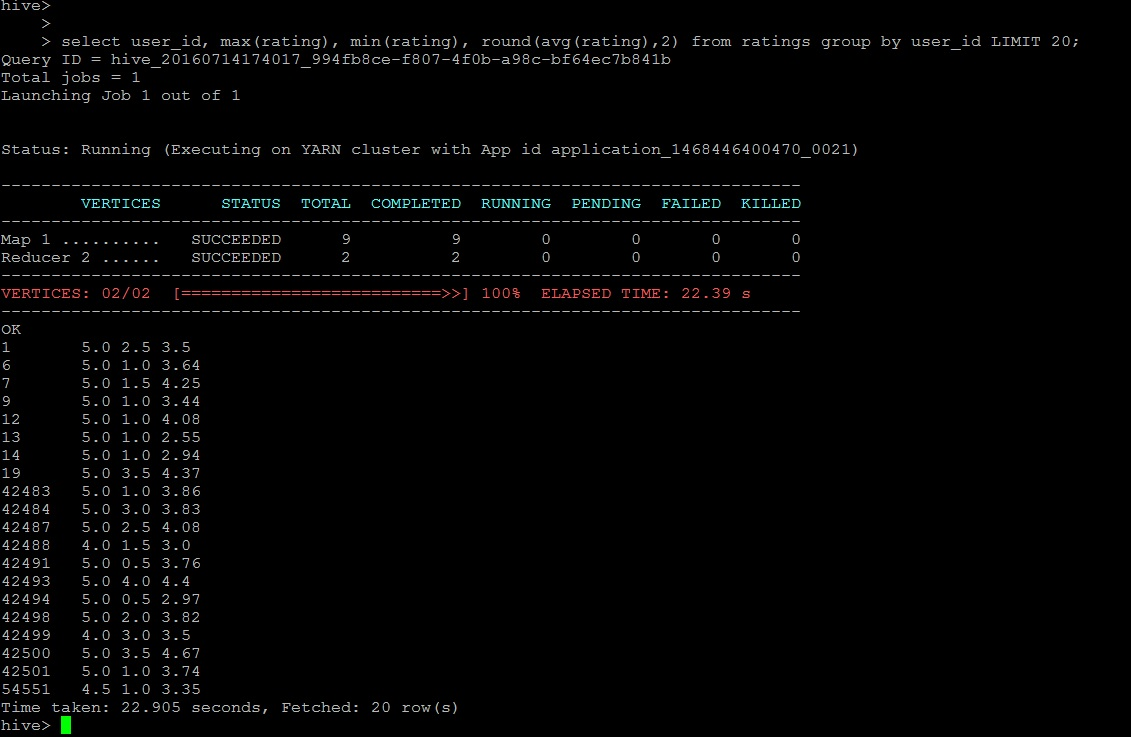
**Use Case #3: List all the Movie IDs which have been rated (Movie Id with atleast one user rating it)**

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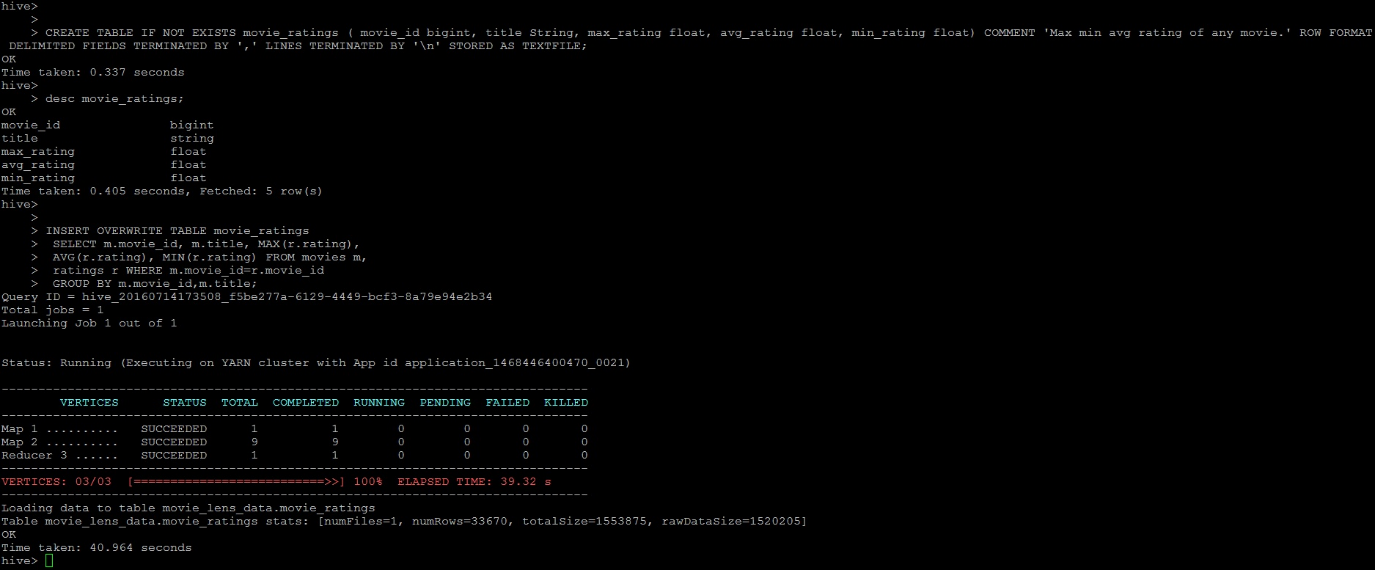
**Use Case #4: List all the Users who have rated the movies (Users who have rated atleast one movie)**

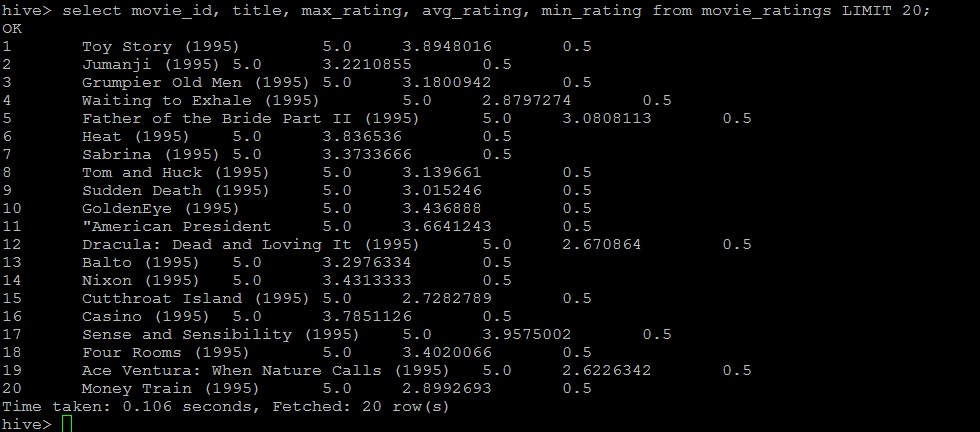
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**Use Case #5: List of all the User with the max,min,average ratings they have given against any movie**

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**Use Case #6: List all the Movies with the max, min, average ratings given by any user**

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