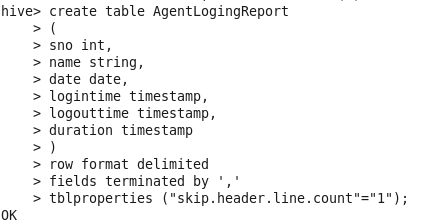
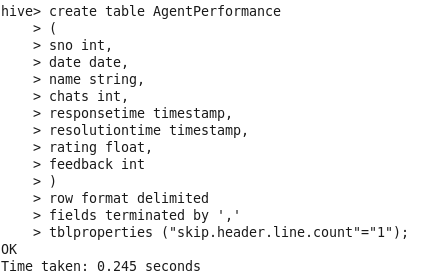
**MINI PROJECT 1: SOLUTIONS**

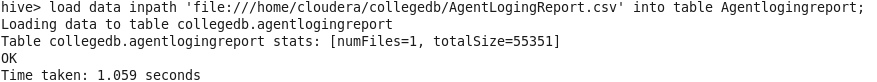
**First downloaded AgentPerformance.csv and AgnetLogingReport.csv files.**

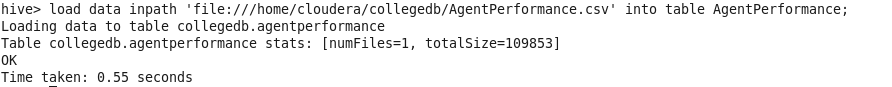
1. ***Create a schema based on the given dataset***

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******

1. ***Dump the data inside the hdfs in the given schema location.***

******

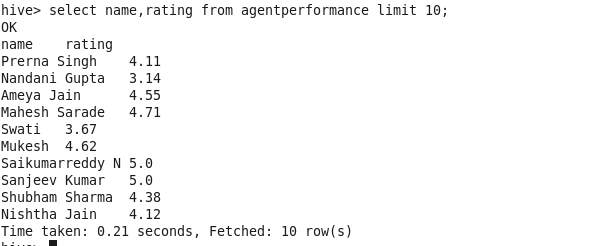
******

1. ***List of all agents' names.***

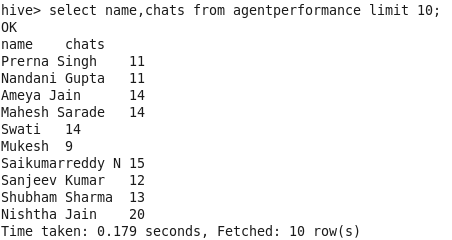
******

***\*\* I used LIMIT 10 here because there are more than 1000 agents and its not possible to capture screenshot of result with more than 1000 names.***

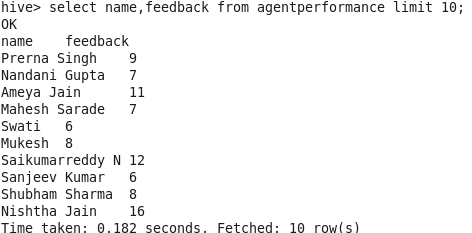
1. ***Find out agent average rating.***

******

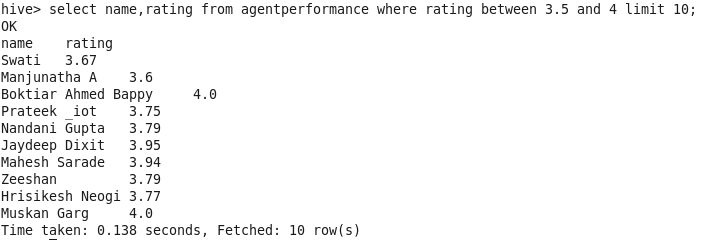
1. ***Total working days for each agents.***
2. ***Total query that each agent have taken.***

******

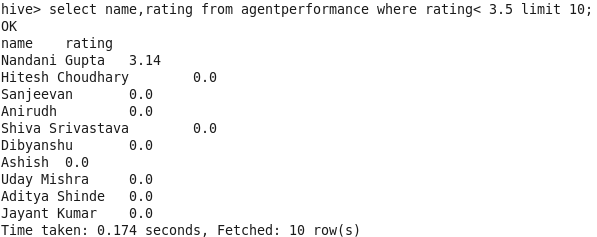
1. ***Total Feedback that each agent have received***

******

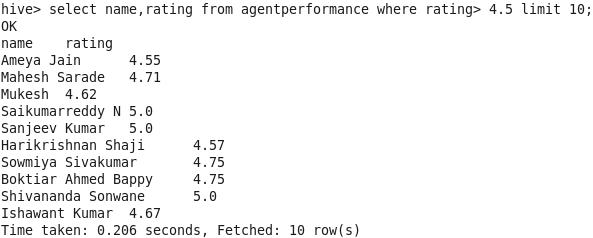
1. ***Agent name who have average rating between 3.5 to 4.***

******

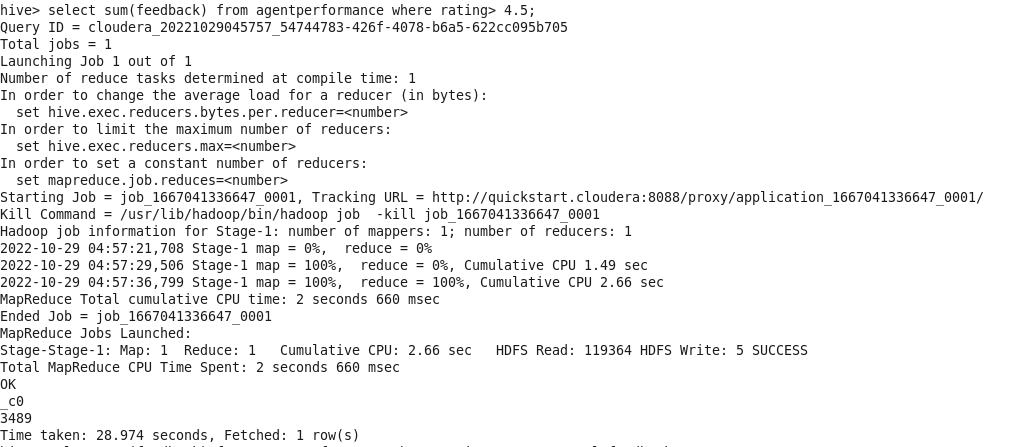
1. ***Agent name who have rating less than 3.5.***

******

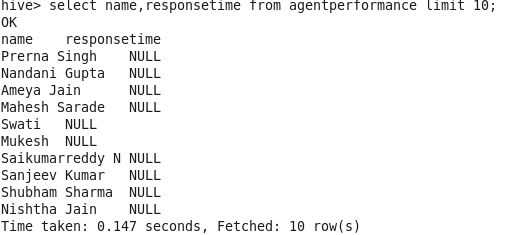
1. ***Agent name who have rating more than 4.5.***

******

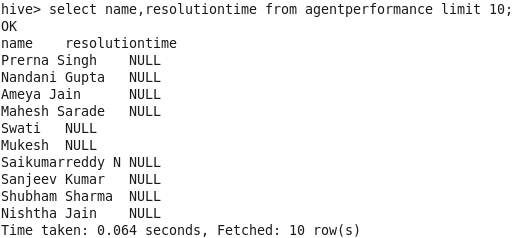
1. ***How many feedback agents have received more than 4.5 average.***

******

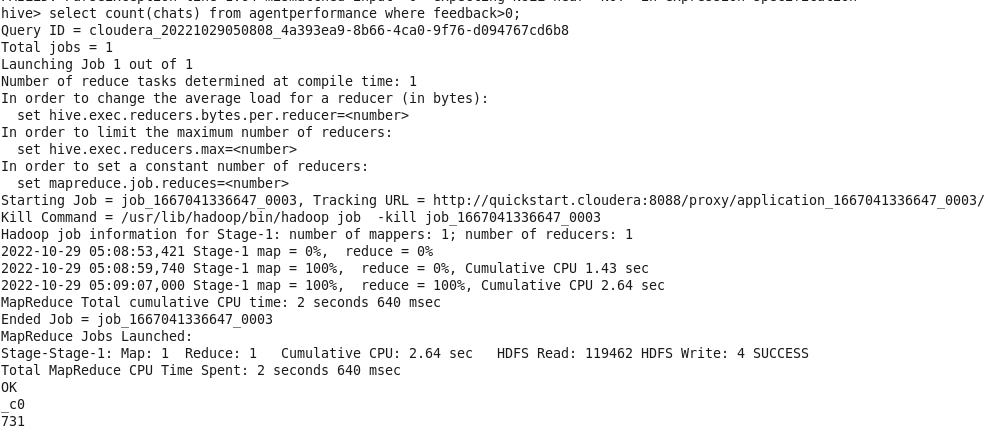
1. ***average weekly response time for each agent.***

******

1. ***average weekly resolution time for each agents.***

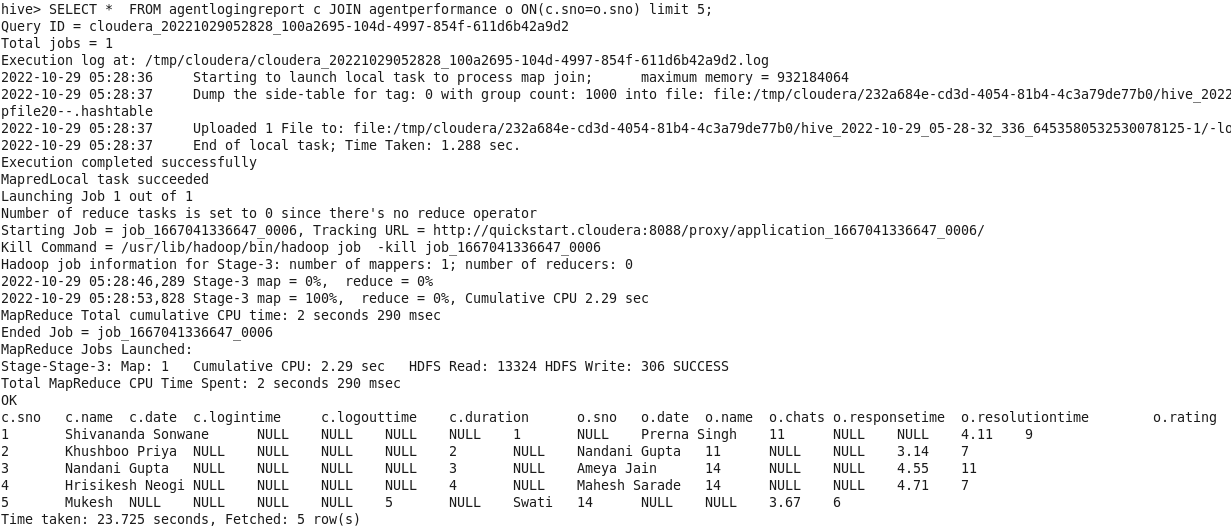
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1. ***Find the number of chat on which they have received a feedback.***

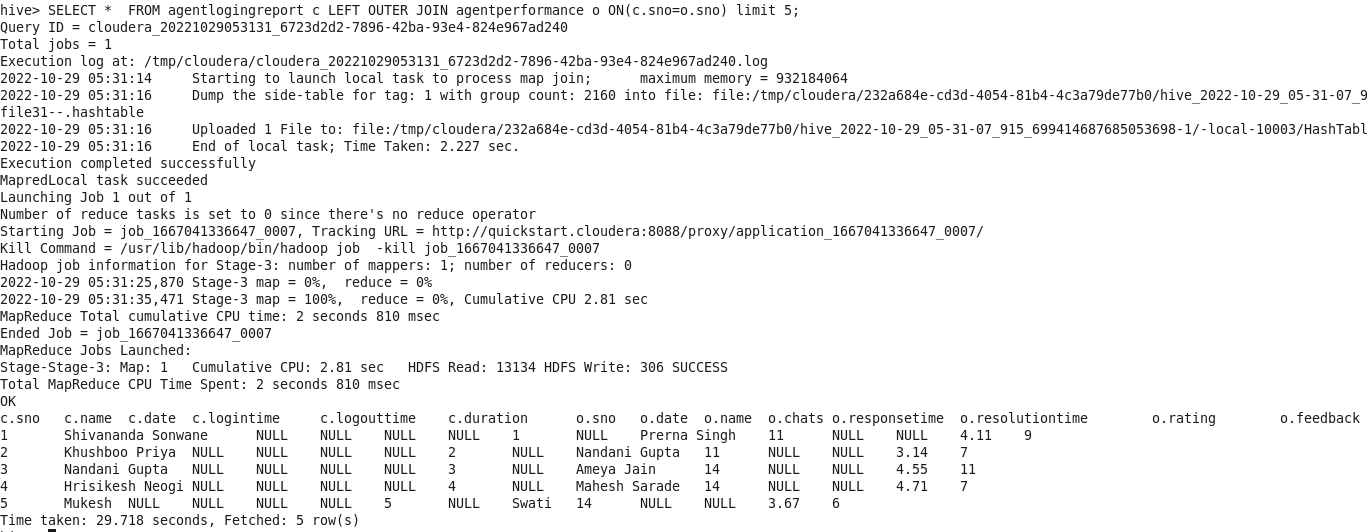
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1. ***Total contribution hour for each and every agents weekly basis.***
2. ***Perform Inner join, left join and right join based on the agent column and after joining the table export that data into your local system.***

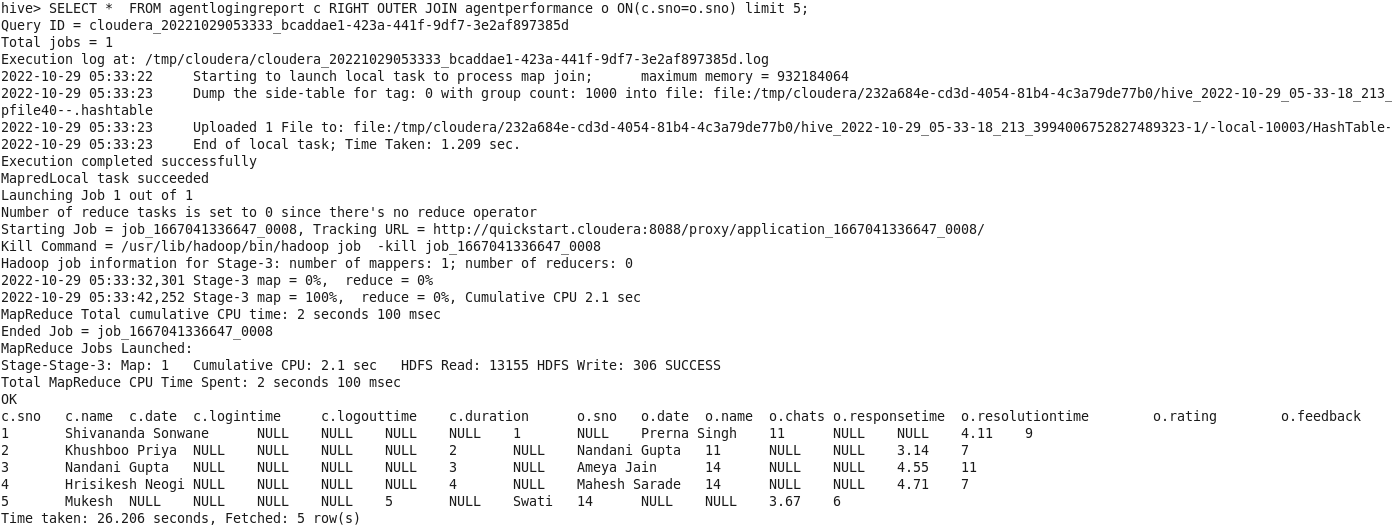
* ***INNER JOIN***

******

* ***LEFT JOIN***

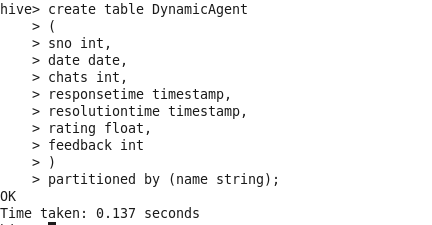
******

* ***RIGHT JOIN***

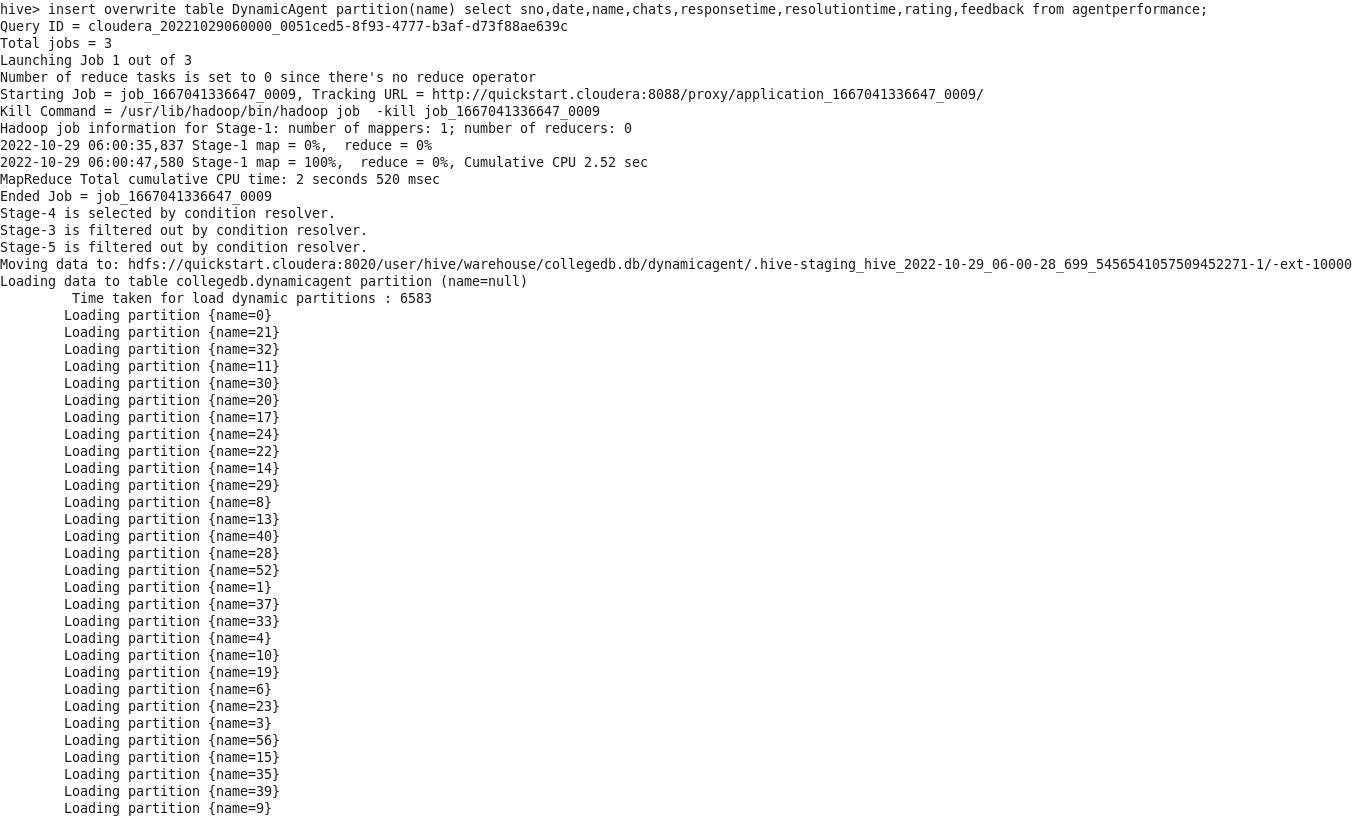
******

1. ***Perform partitioning on top of the agent column and then on top of that perform bucketing for each partitioning.***

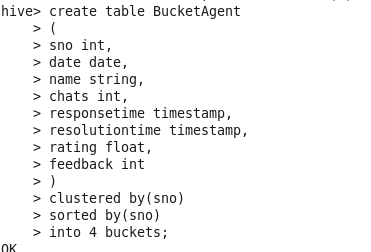
* ***First create DynamicAgent table and partitioned by Agent name.***

******

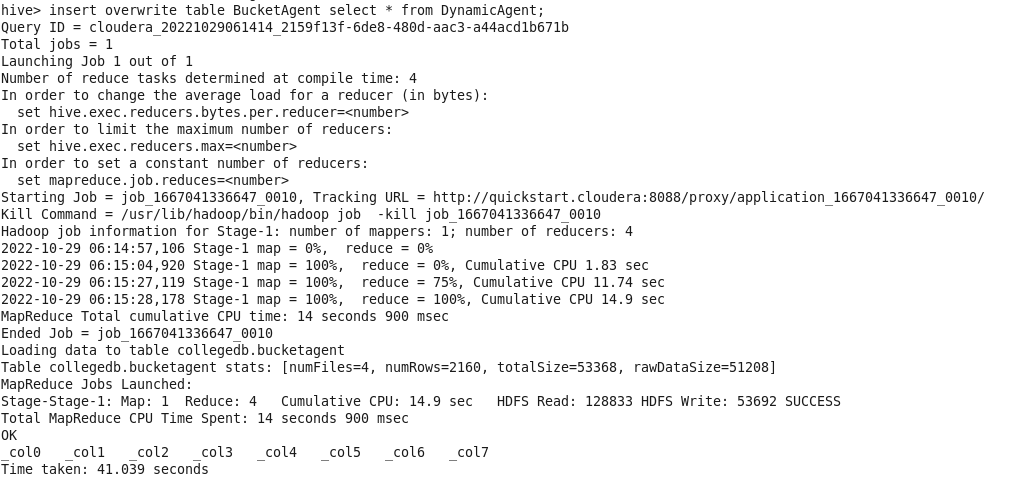
* ***Now do dynamic partitioning on AgentPerformance table with help of DynamicAgent table.***

******

* ***Now create a bucketed table BucketAgent.***

******

* ***Now perform bucketing on DynamicAgent table which is already partitioned.***

******