Big data mini project

AD1511

Problem statement

Apache Hive is a distributed, fault-tolerant data warehouse system that enables analytics at a massive scale. A data warehouse provides a central store of information that can easily be analyzed to make informed, data driven decisions.

Apache Pidatabase; igh-level platform for creating programs that run on Apache Hadoop. The language for this platform is called Pig Latin. Pig can execute its Hadoop jobs in MapReduce, Apache Tez, or Apache Spark

The problem we have choosed here is 'subject'

With this problem I have explained the commands in this project.some are create, insert, sqrt, floor etc.

And I have load ,dump the commands using the apache pig language.

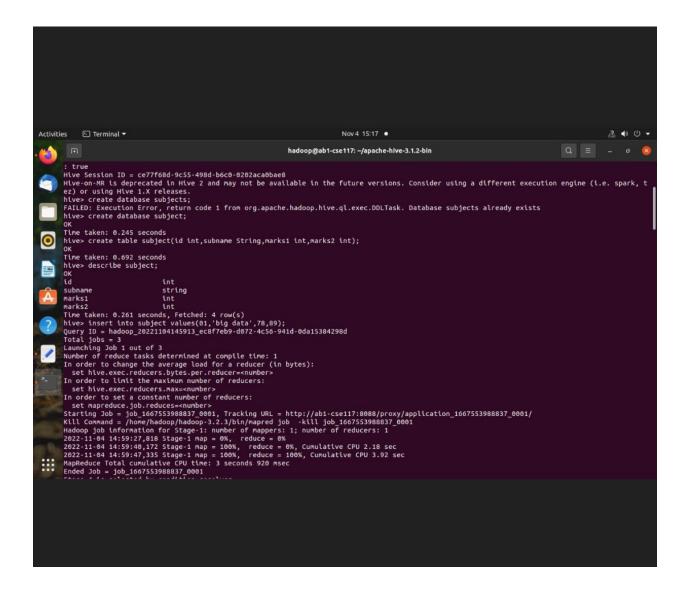
```
Pig comments:
Start-all.sh
Cd $HIVE_HOME
Hive
Create database subject;
Use database;
Create table subject(id int, subname string, marks1 int, marks2 int);
Descibe subject;
Insert into subject values (01,'bda',78,65);
Insert into subject values(02,'network',87,78);
Insert into subject values (03, 'soft computing '78,65);
Insert into subject values (04, 'maths', 78, 65):
Insert into subject values (05,'Java',78,95);
Select * from subject;
Select subname, marks1 from subject;
Select count (*) from subject;
Select sum(marks1), avg(marks1) from subject;
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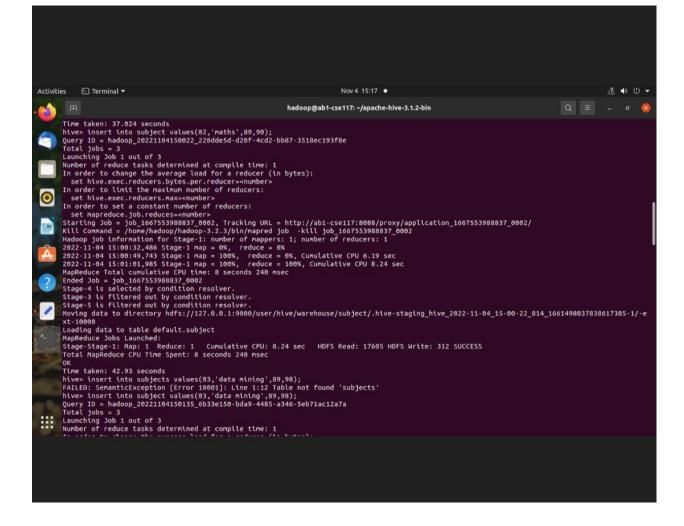
Select max (marks1) from subject;

Select sqrt(marks1) from subject;

Select floor(marks1) from subject;

Output





Pig commands:
$Subject = LOAD \ '/home/hadoop/mini.txt' \ USING \ PigStorage(',') \ as \ (Subname:chararray,marks1:int,marks2:int,id:int);$
Dump subject;
Data=GROUP subject BY marks1;
Dump data;
Order=ORDER subject by marks asc;
Dump order;
Sub1 = JOIN subject by marks1,subject1 by marks1;
Dump limitt;
Limitt = LIMIT food 2;
Dump limitt;

