**1NT19IS156**

**Text, email

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Using the Hadoop command for setting up the environment

Using ./start-all.sh command to start all the Hadoop demons and all the nodes

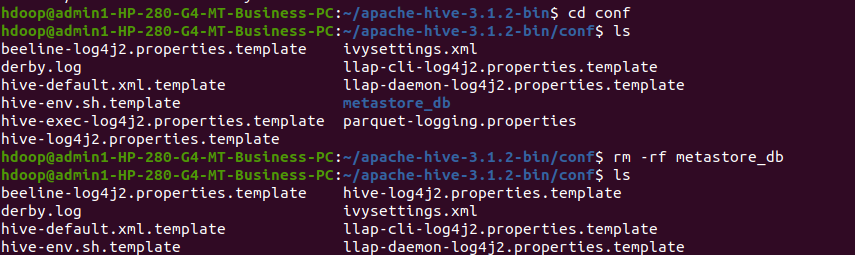
Then we use the JPS command to check out all the Hadoop demons.

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Cd conf command to check the configuration

Using the ls command to check for metastore\_db



If the metastore\_db is present then we are removing it using rm -rf command

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Then we are using the schematool -initSchema -dbType derby command

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We use hive command to get into the hive

A picture containing text

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**Creating the database**

Create database using “create database if not exists command”

We are creating bookdb and using that database

Chart, text

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**Creating the tables**

Inside bookdb we are creating book table having bookid,bookname,genre,author ,price as attributes

Desc book

Text

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Insert values into the table using insert command

Insert into book values (1,’The War’,’horror’,’all’,3000)Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Select \* from book

Text

Description automatically generated

**Dropping the table and Altering the table book**

Renaming the table book to 1nt19is156\_book

Text

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**Show tables**

Chart, text

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**Built in operators**

Arithmetic operators in Hive

Select bookname,(price\*10)/2 from 1nt19is156\_book;

Text

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Select bookname,price+800 from 1nt19is156\_book;

Chart, text

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Relational operators in hive

Select \* from 1nt19is156\_book where price>2000;

Text

Description automatically generated

**Built in functions**

Mathematical functions in Hive

Select bookname, sqrt(price) from 1nt19is156\_book;

Text

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Select bookname, floor(price) from 1nt19is156\_book;

Chart, text

Description automatically generated

Select bookname,cos(price) from 1nt19is156\_book;

Text

Description automatically generated

**Aggregate functions in hive**

Select max(price) from 1nt19is156\_book where bookname=’The War’

Text

Description automatically generated

**Other built in function**

Select author,reverse(bookname) from 1nt19is156\_book;

Text

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Select author,upper(bookname) from 1nt19is156\_book;

Text

Description automatically generated

Select author,concat(bookname,price) from 1nt19is156\_book;

Text

Description automatically generated

Select author , trim(bookname) from 1nt19is156\_book;

Text

Description automatically generated

**Views**

Create view booksss as select \* from 1nt19is56\_book where genre=”horror”;

Select \* from booksss;

Text

Description automatically generated

Create view bookss as select \* from 1nt19is156\_book where genre =”sci-fi”;

Select \* from books;

Text

Description automatically generated

**HIVEQL**

**Group by**

Select author , bookid from 1nt19is156\_book group by author,bookid;

Text

Description automatically generated

Select count(\*)as count,author from 1nt19is156\_book group by author;Text

Description automatically generated

**Where**

Select \* from 1nt19is156\_book where author=”all”;

Text

Description automatically generated

**Order by**

Select \* from 1nt19is156\_book order by price;

Text

Description automatically generated