File Management Tasks.

Aim .

Implement the following file management tasks in Hadloop:

iv adding files and directories

iii) Retriving files

will Deleting files

Algorithm:

ster 1: start the process

step 2: Open command prompt (Administrator)

Run the following commant to start Step 3:

Hadoop

i start-all

(ii) ips

open the browser and enable "bocalhost: 9870" Step A: and "localhost: 8088".

Go to command prompt (Administrator)

using the "halfs offs -mkdir" to make a directory

After making the directory using the "holfs offs -put" command to make a step 6: A'le.

as to the Browser and check the directory and file has been created in Step 7: the "bealhost: 9870".

Step 8: Go to command prompt (administrator), use the "holfs of get" command to retrive a file from HDFS to the local Eystern, and use the "holfs offs - cet" command to view the data in a file.

step 9: Run the "holfs offs - 7m" command to delete a existing file in the directory

step to : stop the process

V

121

196

Aim !

To Run a basic word count Map Reduce Paradigm.

Algorithm:

step 1: start the process

step 2: open command prompt (Administrator)

Step 3: Run the following command to start todoop.

d, start-all

step of: Open the browser and enable

" localhart: 9870" and "localhart: 8088".

Step 5: Open text document to create a document in the name of document " and save a some "example. Txt" and

particular directory.

Step 6:

The "holfs offs -mkdir" and insert "holfs offs -pud" command insert the "example. that "document in the "example. that "document in the tradeop environment.

step 7: capy the Hadoop Mapheduce Jan Significant in hadoop directory in local system.

step 8: Go to command prompt boing the "hadoop Jon" command to execute the jon the with "example tes"

Step 9: After execution, verify the about directory for the status of program (Failure or success).

step is: If me got success as a output file, the program has executed successfully.

step 11: Stop the process

Aim :

To write a Map Reduce program that mines weather data.

Algorithm:

step 1: Start the process

step 2: open command prompt (Administrator) and do all necessary works to start the Hadoop dawn ons.

Step 3: create a text file in the name of "weather-data.txt"

Step 4: And create python file in the names of "weather-mapper.py" and "weather-reducer.py".

Step 5: Go to command prompt and step 5: Go to command prompt and with the create a directory with the help of these files in the directory with the help of command.

step 6: the "Hadoop-streaming-3.2.4. jon"

step 6:

file path in the hadoop directory

in local system.

step 7: Go to command prompt using the "hadoop jax" command to execute the bar file with "weather late tot?" weather mapper and "weather-specturer. Py",

step 8: After execution verify the output directory for the status of the program.

step 9: stop the process.

S agota

grand Janes

Way American

di als

Aim:
To implement matrix multiplication with Hadoop
Map Reduce.

Algorithm:

Step 1: start the process

step 2: open command prompt (Administrator) and do all necessary works to start the Hadoop daemons.

step 3: create a text files in the name of Matrix A. txt" and "matrix B. txt".

step A: And create python files in the names of "matrix-mapper. Py" and "matrix-reducer. Py"

step 5: Go to command prompt and create

step 5: a directory with the help et "-medir"

regressed, and put the files in the

regressed and put the help et "-put" beguessed.

directory with the help et "-put" beguessed.

step b: copy the "hadoop-streaming-3.2.4. jar"
file path in the hadoop directory
the local system.

Go to command prompt using the step 7:

"hadoop jour" command to execute the with matrix tot", "matrix tot", "matr

step 8: After execution vonify the output directory for the status of the program

step 9: step the process.

Aim :

Ex. No. 06

Develop a map Reduce program to find the number of product sold in each country by considering sales data.

Algorithm:

step 1: stant the process

step 2: open command prompt (administrator) and do all the necessary work to start the hadoop daemons.

step 3: create a text. files in the name of

step 4: And create python tile in the name of sales - reducer. py"

"sales-mapper. 18" and "sales - reducer. py"

step 5: Go to command prompt and create step of "modir" a directory with the files in the tegural and put the files in the directory with the help of "-put" directory with the help of "-put"

step 6: copy the "hodop-streaming-3.2.4. jan"

file path in the hadop directory

the local system.

step T:

Ro to command prompt using the step T:

"hadoop jar" command to create the fallow the sales data txt",

Jon tile with "sales data txt",

"sales - mapper. Py" and "sales - reducer. 19",

step 8: After eneastion verify the output.

Livedorg for the status of the program.

Her 9: Step the process.

fx. 07 Electrical consumption report using mappedue.

Aim !

Develop a mapkedue program to find the Maximum electrical consumption in each year

Algorithm:

Step 1: stort the process

open command prompt (maministrator) and do all necessary works to start the Hadoop daemons.

Step 9: create a tool file in the " electricity - txt " com - proid solo

step A: And create python tiles in the name of "electricity-mapper. By" and "electricity-reducer

as to command prompt and create a directory with the help of "-mtdir" reguord. and pil the file in the step 2: directory with the help of "-put" any on a read theres. teyword.

copy the "hadoop -streaming -3.2.4. jar" file path in the hadoop directory in the local system.

go to command prompt wring the "hadoo j'ar" command to execute the jar A'le with "electricity. +xt", " electricity - mapper - by " and "electricity reducer. 19 ".

step 8: After execution verify the output directory for the status of the program.

step 9: stop the process.

Aim:

Develop a Map Reduce program to analyze any real time data.

Algorithm:

start the process

open command prompt (administrator) step !: do all necessary works to

step 2: start the Hadoop daemons.

create a text files in the name of

e fwitter-data. +xt "

And create python file in the

name of "twitter-mapper.py" and

equittor-reducer. Po".

Go to command prompt and areate directory with the help of "-mkdir" keyword - and put the files in the

directory with the help of "-put" beyond.

copy the fodoop - streaming - 3.2.4. Jan" Tile path in the hadoop directory the local system.

as to command prompt using the or hadrop your of command to execute jor file with "twitter-data.txt", er _twitter_ mapper. By " and requitter - reducer.

Step 8: After execution verity the output directory for the status of the program.

step 9: Ap the process.