step - 1 : open terminal and run command to install jre

sudo apt install default-jre

step - 2 :

sudo snap install --classic eclipse

STEPS TO FOLLOW TO COPY JAR FILE INTO LBRCE SERVER

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step 1 : go to folder location where your jar file located in the terminal in ubuntu

Ex:cd Desktop

step 2 : copy the jar file into student

scp 21761A0590wc.jar student@172.16.10.14:/home/student/VI\_CSE\_B/21761A0590/

step 3 :

student@172.16.10.14's password: LbrceStudent

step 4 :To check whether the file is copied or not

ssh student@172.16.10.14

student@172.16.10.14's password: LbrceStudent

step 5 : copy the jar file from student to hduser

scp 21761A0590wc.jar hduser@192.168.100.20:/home/hduser/VI\_CSE\_B/21761A059

hduser@192.168.100.20's password: ipc

ssh hduser@192.168.100.20

hduser@192.168.100.20's password: ipc

cd /home/hduser/VI\_CSE\_B/21761A0590

step 6 : hadoop fs -ls home/VI\_CSE\_B/Roll Number

hadoop fs -ls home/VI\_CSE\_B/21761A0590

step 7 : hadoop jar 21761A0590.jar /VI\_CSE\_B/Roll Number/INPUTFILE.txt VI\_CSE\_B/Roll Number/INPUTFILE.txt

step 8 : hadoop jar 21761A0590.jar /VI\_CSE\_B/Roll Number/INPUTFILE.txt VI\_CSE\_B/Roll Number/OUTPUT

step 9 : hadoop fs -ls /VI\_CSE\_B/Roll Number/OUTPUT

STEP 10 : hadoop fs -ls /VI\_CSE\_B/Roll Number/OUTPUT/part\*

//It displays output data

CREATING FOLDER IN HDFS

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hadoop fs -mkdir /VI\_CSE\_B/21761A0590

To view directiories

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hadoop fs -ls /VI\_CSE\_B/

hadoop fs –put/sourcedirectory/inputfile

hadoop fs -put /VI\_CSE\_B/ROLL NUM/INPUT FILE NAME.txt /VI\_CSE\_B/ROLL NUM/FILE NAME.txt

Ex: hadoop fs -put file.txt /VI\_CSE\_B/21761A0590file.txt [//same directory so,only filename.txt]

**View file**

hadoop fs -ls /VI\_CSE\_B/21761A0590

**output:**

Found 1 items

-rw-r--r-- 2 hduser supergroup 440 2024-01-02 14:15 /VI\_CSE\_B/21761A0590/file.txt

**To view the content in file**

hadoop fs -cat /VI\_CSE\_B/21761A0590/file.txt

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

hadoop jar file.jar/src directory/roll number/file.txt /destination directory/roll number/output directory

Ex:

hadoop jar 21761A0590wc.jar /VI\_CSE\_B/21761A0590/file.txt /VI\_CSE\_B/21761A0590/w

coutput [//compulsory to give /VI\_CSE\_B/21761A0590 instead of filename. Give absolute path instead of relative path]

**output**

24/01/02 14:39:53 INFO client.RMProxy: Connecting to ResourceManager at master-node-20/192.168.100.20:8050

24/01/02 14:39:53 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.

24/01/02 14:39:53 INFO input.FileInputFormat: Total input files to process : 1

24/01/02 14:39:53 INFO mapreduce.JobSubmitter: number of splits:1

24/01/02 14:39:53 INFO Configuration.deprecation: yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead, use yarn.system-metrics-publisher.enabled

24/01/02 14:39:53 INFO mapreduce.JobSubmitter: Submitting tokens for job: job\_1702437561399\_0005

24/01/02 14:39:54 INFO imp

Total committed heap usage (bytes)=290455552

Shuffle Errors

BAD\_ID=0

CONNECTION=0

IO\_ERROR=0

WRONG\_LENGTH=0

WRONG\_MAP=0

WRONG\_REDUCE=0

File Input Format Counters

Bytes Read=0

File Output Format Counters

Bytes Written=0

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hadoop fs –ls destination dir/roll number/outputfile name

hadoop fs -ls /VI\_CSE\_B/21761A0590/wcoutput

**output**

Found 2 items

-rw-r--r-- 2 hduser supergroup 0 2024-01-02 14:40 /VI\_CSE\_B/21761A0590/wcoutput/\_SUCCESS

-rw-r--r-- 2 hduser supergroup 0 2024-01-02 14:40 /VI\_CSE\_B/21761A0590/wcoutput/part-r-00000

hadoop fs -cat /VI\_CSE\_B/21761A0590/wordcouout/part\*

**output**

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