

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

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

`hadoop fs -mkdir /VI_CSE_B/21761A0590`

To view directories

```
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

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

10+2 1
6th 1
I 4
a 1 or Total Characters 426
am 2
as 1
attack 1