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SUBJECT:IT8711-FOSS AND CLOUD COMPUTING LAB

EXERCISE NO:10

PROCEDURAL STEPS

Step 1: Create a text file "D:/data.txt"

Step 2: Create a directory in HDFS, where to kept text file.

hdfs dfs -mkdir /user

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23 Administrator Windows PowerShell

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732 DataNode

PS D:\haddoop-env\haddoop-3.2.2\sbin> hdfs dfs -mkdir /user

PS D:\haddoop-env\haddoop-3.2.2\sbin> hdfs dfs -mu D:/data.txt /user

PS D:\haddoop-env\haddoop-3.2.2\sbin> hdfs dfs -pu D:/data.txt /user

PD D:\haddoop-env\haddoop-3.2.2\sbin> hdfs dfs -pu D:/data.txt /user

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PS D:\haddoop-env\haddoop-3.2.2\sbin> hdfs dfs -su /user/data.txt

PS D:\haddoop-env\haddoop-3.2.2\sbin> hdfs dfs -cat /user/data.txt

Cloud

Cloud

cloud

deepi
```

Step 3: Upload the data.txt file on HDFS in the specific directory

hdfs dfs -put D:/data.txt /user

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23 Administrator Windows PowerShell

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PD 1:Nadoop-envNhadoop-3.2.2\sbin> hdfs dfs -mkdir /user

PS D:Nhadoop-envNhadoop-3.2.2\sbin> hdfs dfs -mkdir /user

PS D:Nhadoop-envNhadoop-3.2.2\sbin> hdfs dfs -mu D:/data.txt /user

PS D:Nhadoop-envNhadoop-3.2.2\sbin> hdfs dfs -mkdir /user

PS D:Nhadoop-envNhadoop-3.2.2\sbin> hdfs dfs -mkdir /user

PS D:Nhadoop-envNhadoop-3.2.2\sbin> hdfs dfs -cat /user/data.txt

Cloud

Cloud

Cloud

deepi
```

Step 4: List the files or directories in hdfs

hdfs dfs -ls /user/

Step 5: To view the content of the file "/user/data.txt"

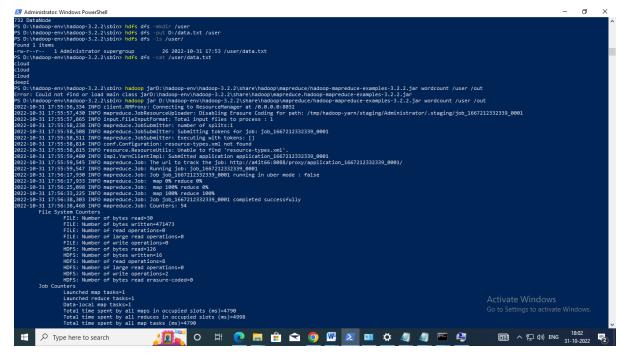
hdfs dfs -cat /user/data.txt

```
Administrator: Windows PowerShell

732 DataBlode
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754 DataBlode
755 DataB
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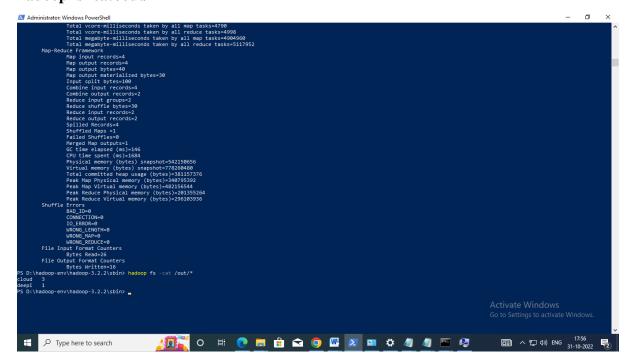
Step 6: Run the jar file

$hadoop\ jar\ D:/hadoop-env/hadoop-3.2.2/share/hadoop/mapreduce/hadoop-mapreduce-examples-3.2.2.jar\ wordcount\ /user\ /out$



Step 7: To view the output in "/out/*"

hadoop fs -cat /out/*



Output

