EXNO-10 DATE-15.10.22

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MapReduce (WordCount Program)

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

```
Administrator: Windows PowerShell

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

PS D:\hadoop-env\hadoop-3.2.2\sbin> _
```

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

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

```
Administrator: Windows PowerShell

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

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

PS D:\hadoop-env\hadoop-3.2.2\sbin>
```

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 PS D:\hadoop-env\hadoop-3.2.2\sbin> hdfs dfs -mkdir /user PS D:\hadoop-env\hadoop-3.2.2\sbin> hdfs dfs -put D:/data.txt /user PS D:\hadoop-env\hadoop-3.2.2\sbin> hdfs dfs -ls /user/ Found 1 items -rw-r--r-- 1 Administrator supergroup 50 2022-10-11 11:34 /user/data.txt PS D:\hadoop-env\hadoop-3.2.2\sbin> hdfs dfs -cat /user/data.txt Cloud and Grid Lab. Cloud and Grid Lab. Cloud Lab. PS D:\hadoop-env\hadoop-3.2.2\sbin>

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

```
Administrator Windows PowerShell

S D:\haddoop-env\haddoop-3.2.2\bbin> hdfs dfs -mkdir /user

SD:\haddoop-env\haddoop-av.2.2\bbin> hdfs dfs -mbdir /user

SD:\haddoop-env\haddoop-av.2.2\bbin> hdfs dfs -put D:/data.txt /user

SD:\haddoop-env\haddoop-3.2.2\bbin> hdfs dfs -ls /user/

SD:\haddoop-env\haddoop-av.2.2\bbin> hdfs dfs -ls /user/

SD:\haddoop-env\haddoop-av.2.2\bbin> hdfs dfs -cat /user/data.txt

SD:\haddoop-env\haddoop-av.2.2\bbin> hdfs dfs -cat /user/data.txt

SD:\haddoop-env\haddoop-av.2.2\bbin> hdfs dfs -cat /user/data.txt

Cloud and Grid Lab. Cloud and Grid Lab. Cloud Lab.

SD:\haddoop-env\haddoop-av.2.2\bbin> haddop jan D:/haddop-env/haddoop-av.2.2\bbin> haddop jan D:/haddop-env\haddoop-av.2.2\bbin> haddop jan D:/haddop-av.2

2002-10-11 11:36:33,313 NPO mapreduce.JobbscourceUploader Disabling ferasure Coding for path: /tmp/haddoop-yarn/staging/Administrator/.staging/job_1665467943708_0001

2002-10-11 11:36:33,559 NPO input.FileInputFormat: Total input files to process: 1

2002-10-11 11:36:33,559 NPO input.FileInputFormat: Total input files to process: 1

2002-10-11 11:36:33,559 NPO mapreduce.Jobscounitter: Submitting tokens for job: job_1665467943708_0001

2002-10-11 11:36:39,39 NPO mapreduce.Jobscounitter: Submitting tokens: [0]

2002-10-11 11:36:39,483 NPO conf.Configuration: resource-types.xal not found

2002-10-11 11:36:40,322 NPO mapreduce.Jobscounitter: Evecuring with tokens: [1]

2002-10-11 11:36:40,322 NPO mapreduce.Job: humling job: job_1665467943708_0001

2002-10-11 11:36:40,322 NPO mapreduce.Job: map lobs reduce 0%

2002-10-11 11:37:09,3016 NPO mapreduce.Job: map lobs
```

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

hadoop fs -cat /out/*

```
Bytes Written=28
PS D:\hadoop-env\hadoop-3.2.2\sbin> hadoop fs -cat /out/*
Cloud 3
Grid 2
Lab. 3
and 2
PS D:\hadoop-env\hadoop-3.2.2\sbin> 

Bytes Written=28
B
```

OUTPUT:



