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dat Anignment 5

Aim: Empleaent MapReduce in Hadrop and perform file hadling in HDFS for any domain such as Agriculture!

healthcare using JAVA:

Hyerrive.

- To learn and implement Map-reduce program To learn of use of Map-reduce processing in valious Big Data Application

Problem statement

write a Java program to perform map reduce

processing for input files related to weather Monitoring

and Sales Datasets

-> working of Map reduce with suitable example

I Record Recids, 21 Map, 31 Combine, 41 Position I Shuffle & sort / Reduce & Output format.

- → Job bracker: acts like a Marker → Task bracker: acts like a slaves.
- · A job is divided into multiple tasks which are then nin auto multiple data nodes in a cluster
- · It is the responsibility of job tracker to coordinates the activity by rescheduling tasks to run an different data needes.
- · Task tracker's resposibility is to send the progress report to the job tracker. to the job bracker.
- · In case of failule, the job tracker can reschedul it a different task tracker

- Advantages of Map Reduce with in Big Data application. Processing

 - → Highly Scalable

 → Very self effective situation for business

 → Highly flexible

 → Franckes Takes very less time to process very large

 - → Bosed on simple programing model

Imput: Text / csv file with data

Output: Year-wise Maximum Temp/Display / Payment type wise Maximum Amount spent.

Platform: Windows.

Conclusion: Thus, performed Mapreduce

How the key and values are extracted from input files in the Mapper?

The Map reduce framework operates on < key, value?

pairs i e framwork views the output to the

job as a set of < key, value? pairs and produces a set of key, value pass as the output of the job concervably of different

2 Explain the command word word to run a Map Reduce program from command line with example

Command:

hadoop jar path-ot-jar-file name of-driver input file-path-holfs output-flopder-name

ladoop jar 0: MRjar Driver /BDA input. txt. MRout

Q3 Discurs the implement importance of Job class in the Map Reduce program.

The job class, allows the user to configure the job, submit it control into execution and query the state.