+ su switch user

- mkdir: creating a directory

- nano, vi editors: for editing any file-

-> cd/: It will move to the root folder

- pud : present working directory.

- who ami: to find the current user

- 15: lists out folders

- It : long list with permissions

- d; belongs to directory

- 1: linking.

## Installation

-> nano ~1. bashrc

1 sudo apt-get remove ssh sudo apt-get remove pdsh

Configure password - less SSH

sudo apt install openssh-server openssh-client-y

4) STAT 5/3/24 1) In hadosp everystem files are always in read 8) SAT only mode so you can't write in hadrop everytom of you want to edit a file then you need to import that file into LFS (Laad File system) or any storage other than hadosp Note 2) If you are uploading a file to hadoop you can use either egy from local or fut commands. 3) If you want to devontcad a file or export a file from tradeep you can use either copy to lotal Comm 1) 200 or get commands -> If you are using copy From local or fruit command copy of a file exists in both ecosystems 1) LFS 2) HDFS . - If you don't want to copy in LFS then you can we more from local In hadoep cosystem copy are used to copy between LFS to LFS, HOFS to HOFS only di 5) DU: It will give the size of each file in directory 7 6) DVS: This command will give or total size of directory or file a file

O STAT: It will give the last medified time of a SATREF : This command is used to change the explication factor of a file or a directly in HOFS only. Example hadosp to - saturp - tepter R - w any number space filename or directory -w means wait till replication is completed > -R means recursively Commands ) Joralhost: 50070 -> for copying: ep old file-name new-filename -> rename mv oldiname new name - remove file am filename ductory: rm -r directory name -> compress the grup filename - uncompeess gungip filename. 93

date touch filename gedit filename tot ate: shows the ant of space in bytes det filename log -> df: shows the capacity used and few space df samplenew. log. > hostname

quirkstail. cloudera

> To know the configuration: ifconfig.

## HDFS commands:

- 1) hadoop
- 2) creating a new directory in HDF5: hadoop 15 - mkdil / bda - 6717
- 3) to list the directories in HOFS under 1: hadoop fs - 1s /
- 4) If we real the directory by the following way it will create the die under default path Jusee / 2001 hadoop fs -mkdie bda-6717 hadrop to - Is luser / soot
- 5) Is lead the data from local file system to HOFS hadoop +5- gut file tet / bda-6717
- 6) To see the files & directories which is located under a pruticular directory in HDFS hadeop fs -ls / bda-6717
- 7) to see the content of a file which is located under a preticular directory in HOFS hadoop 15 -cat / 6da-6917 / file.tut

	8) more Fromtaal	15
	To more the data from LFS to HDFS	
	hadoop for moveFrontaal samplines log /ble_679	16
2		
	a) copy From Local	
	To apy the data from UFS to HDFS	1
1	hadoop to copy From coat dumning tut / bda 6717	
	hadoso to -ls / bob-6717	);
1	10) hadoop to get /bda_6917/samplenew log /home / bda_6919_lFS	
1	10) hadoop 10 f bda-6217-LFS	
1	. HDFS dilectors	1
M	11) to semone a file under the HDFS directory	
ı	hadoop to -em 16da-6217 Samplenew lag.	
		2
	12) hadoop is -vmr / Cisco Outi	
	13) to copy the file obtain a HOFS directories	
	fs-mkdie / bda-6919-2	2
	fs - 4 /bda-6717 /file.tht / bda-6717-2	
	As-ls /bda-6717-2	
		,
14)	to move a file from one dir to another in HOFS	
	hadoop fs-mu /bda_67+7+HDFS/dummy tut /bda_67+9	2
	hadrop ts - ls /bda_6+17_HDFS2 -HDFS2	
	NOVE	
	WWW CATTER TO	
	000	

- 1) so know the safemode status passoop disadmin safemode get
- is) so leave the safemode hadoop disadmin safemode deave
- 12) To enter into the safemade hadoop disadmin -safemade enter

ne 1

FS

- 18) To know the cluster health we use the following command hadden desadmin seport
- 18) We can oceate a dummy file in the HDFS by using hadrop fs touch 2 / bda-6717\_bdfs/zetokbpile
- 20) 18 access the namenode in GUI socalhost: 50070
- 21) to see the hadoop configuration files
  pATH: /us//ub/ hadoop/conf
- 22) to access job tracker by using GUI locations: 50030
- 33) By typing IPS we can get all 5 deamons ips

Map Reduce Brogramming: > This requires 3 things: 1) Orlver class 2) Mayber does 3) Reducer dass Driver class -> This class efectives you configuration details Mapper class - This class oversides the map function based on the problem statement Reduce does : -> This class overcedes the seduce function based on the problem statement Driver program Note: open tolipla file - new - java fregert -> Project name BOA Word Count Sample Peckage - BDA - source - new - class (create 3 classes) addenjaes - usee - lib Olust Sib / hadoop - 0.20 - mapreduce / hadoop - core - 2.6.0 - mx1 -Cdh5. 13.0.ju (2) (ust lib) hadoop - common - 2.6.0-cdh5.13.0. jac