UNIVERSITY INSTITUTE of COMPUTING
Asia's Fastest Growing University

NAAC GRADE A+ ACCREDITED UNIVERSITY

Experiment No. 1.3

Student Name: Rishav Kumar
UID: 22MCC20039
Branch: MCA - CCD
Section/Group: MCD-1/ Grp A
Semester: IV
Date of Performance: 25th Jan 24
Subject Name: Big Data Analytics
Subject Code: 22CAP-782

1. Aim/Overview of the practical:

Upload and Download a file in Hadoop

2. Code for practical:

- Open terminal in Ubuntu and use following command to switch user:
- Start servers using command:

start-all.sh

- After starting namenodes and datanodes, make a local folder named localData.

mkdir localdata

- Make a new file in localData city.txt using touch or vim.
- To upload it on Hadoop use command:

hdfs dfs -put home/hadoop/localdata/city.txt /hadoopdata

- To view it use ls command:

hdfs dfs -ls /hadoopdata

- To download/copy file from Hadoop server to local, use command -get:

hdfs dfs -get /hadoopdata/city.txt /home/hadoop

```
hadoop@ubuntu:~$ hdfs dfs -put /home/hadoop/localData/city.txt /hadoopData
hadoop@ubuntu:~$ hdfs dfs -ls /hadoopData
Found 1 items
-rw-r--r--   1 hadoop supergroup          0 2024-02-02 02:36 /hadoopData/city.txt
hadoop@ubuntu:~$ hdfs dfs -get /hadoopData/city.txt /home/hadoop
hadoop@ubuntu:~$ ls
city.txt  hadoop-3.3.6.tar.gz  hdfs  localData  snap
hadoop@ubuntu:~$
```

********** THE END **********