

Experiment No. 1.3

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Branch: **MCA - CCD**

Semester: **IV**

Subject Name: **Big Data Analytics**

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Section/Group: **MCD-1/ Grp A**

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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:~$
```