## Experiment 2

**Aim:** Use Hadoop to explore large-scale datasets stored in the Hadoop Distributed File System (HDFS).

## Directory:

```
C:\Windows\System32>jps
13380 DataNode
15684 NameNode
8228 NodeManager
15592 Jps
17800 ResourceManager
C:\Windows\System32>hdfs dfs -mkdir /test_directory
C:\Windows\System32>hdfs dfs -ls /
Found 1 items
drwxr-xr-x

    rawat supergroup

                                         0 2024-09-01 18:54 /test_directory
C:\Windows\System32>hdfs dfs -mkdir /test directory/BDA Experiment 2
C:\Windows\System32>hdfs dfs -ls /
Found 1 items
drwxr-xr-x
                                         0 2024-09-01 19:12 /test directory
           - rawat supergroup
C:\Windows\System32>hdfs dfs -ls /test_directory
Found 1 items
                                         0 2024-09-01 19:12 /test_directory/BDA_Experiment_2
drwxr-xr-x - rawat supergroup
```

Fig 1: Making Directory

## File Transfer:

Fig 2: Transferring Files and File Operations