Experiment. No. 1

Install Hadoop

```
PS C:\Users\sachi> hadoop version
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.
Hadoop 3.4.1
Source code repository https://github.com/apache/hadoop.git -r 4d7825309348956336b8f06a08322b78422849b1
Compiled by mthakur on 2024-10-09T14:57Z
Compiled on platform linux-x86_64
Compiled with protoc 3.23.4
From source with checksum 7292fe9dba5e2e44e3a9f763fce3e680
This command was run using /D:/hadoop/hadoop-3.4.1/share/hadoop/common/hadoop-common-3.4.1.jar
PS C:\Users\sachi>
```

Copy file to Hadoop

```
operable program or batch file.
mkdir: '/input': File exists

C:\Users\sachi>hdfs dfs -put D:\hadoop\README.txt /input
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.
put: '/input/README.txt': File exists

C:\Users\sachi>hdfs dfs -mkdir /experiment
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\sachi>hdfs dfs -ls /
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.
Found 2 items
drwxr-xr-x   - sachi supergroup          0 2025-07-18 22:46 /experiment
drwxr-xr-x   - sachi supergroup          0 2025-07-18 22:38 /input

C:\Users\sachi>hdfs dfs -put D:\Attandace.docx /experiment
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\sachi>hdfs dfs -ls /experiment
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.
Found 1 items
-rw-r--r--   1 sachi supergroup      48047 2025-07-18 22:51 /experiment/Attandace.docx

C:\Users\sachi>
```

Copy File from Hadoop to local

```
C:\Users\sachi>dir D:\h
 Volume in drive D is New Volume
 Volume Serial Number is AC84-F86B

 Directory of D:\h

18-07-2025  22:53    <DIR>          .
               0 File(s)              0 bytes
               1 Dir(s)  123,950,743,552 bytes free

C:\Users\sachi>hdfs dfs -get /experiment/Attandace.docx D:\h
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\sachi>dir D:\h
 Volume in drive D is New Volume
 Volume Serial Number is AC84-F86B

 Directory of D:\h

18-07-2025  22:55    <DIR>          .
18-07-2025  22:55            48,047 Attandace.docx
               1 File(s)         48,047 bytes
               1 Dir(s)  123,950,694,400 bytes free

C:\Users\sachi>
```

Move from one folder to another in Hadoop

```
C:\WINDOWS\system32\CMD    ✕    +  ∨
```

```
C:\Users\sachi>hdfs dfs -ls /experiment
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.
Found 1 items
-rw-r--r--   1 sachi supergroup         25 2025-07-18 23:04 /experiment/sample.txt

C:\Users\sachi>hdfs dfs -mv /experiment/sample.txt /input/sample.txt
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\sachi>hdfs dfs -ls /experiment
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\sachi>hdfs dfs -ls /input
'C:\Program' is not recognized as an internal or external command,
operable program or batch file.
Found 2 items
-rw-r--r--   1 sachi supergroup        175 2025-07-18 22:38 /input/README.txt
-rw-r--r--   1 sachi supergroup         25 2025-07-18 23:04 /input/sample.txt

C:\Users\sachi>
```