

1. Create a folder in HDFS by name “dir01” and move input1.txt , input2.txt and input3.txt into /dir01
2. List only the file names present in “/dir01”

```
drwxr-xr-x - march8lab23 march8lab23 0 2023-08-21 09:33 /user/march8lab23/surbhiagrawal/dir01
[march8lab23@ip-10-1-1-204 workdir]$ hdfs dfs -mkdir /user/$USER/surbhiagrawal/dir01
mkdir: `/user/march8lab23/surbhiagrawal/dir01': File exists
[march8lab23@ip-10-1-1-204 workdir]$ hdfs dfs -ls /user/$USER/surbhiagrawal/
Found 1 items
drwxr-xr-x - march8lab23 march8lab23 0 2023-08-21 09:33 /user/march8lab23/surbhiagrawal/dir01
[march8lab23@ip-10-1-1-204 workdir]$
```

```
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -copyFromLocal input*.txt surbhiagrawal/dir01
[march8lab23@ip-10-1-1-204 damini_file]$ ls
Files input1.txt input2.txt input3.txt
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls /user/$USER/surbhiagrawal/dir01
Found 3 items
-rw-r--r-- 3 march8lab23 march8lab23 37 2023-08-21 09:47 /user/march8lab23/surbhiagrawal/dir01/input1.txt
-rw-r--r-- 3 march8lab23 march8lab23 37 2023-08-21 09:47 /user/march8lab23/surbhiagrawal/dir01/input2.txt
-rw-r--r-- 3 march8lab23 march8lab23 37 2023-08-21 09:47 /user/march8lab23/surbhiagrawal/dir01/input3.txt
[march8lab23@ip-10-1-1-204 damini_file]$
```

3. Change the replication factor for the content present in directory “/dir01” to 5 and display the replication factor for the files present in “/dir01”.

```
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -setrep 5 surbhiagrawal/dir01
Replication 5 set: surbhiagrawal/dir01/input1.txt
Replication 5 set: surbhiagrawal/dir01/input2.txt
Replication 5 set: surbhiagrawal/dir01/input3.txt
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls surbhiagrawal/dir01
Found 3 items
-rw-r--r-- 5 march8lab23 march8lab23 37 2023-08-21 09:47 surbhiagrawal/dir01/input1.txt
-rw-r--r-- 5 march8lab23 march8lab23 37 2023-08-21 09:47 surbhiagrawal/dir01/input2.txt
-rw-r--r-- 5 march8lab23 march8lab23 37 2023-08-21 09:47 surbhiagrawal/dir01/input3.txt
[march8lab23@ip-10-1-1-204 damini_file]$
```

4. Create a folder in HDFS by name “scenario01” and create directory “level01” inside “scenario01” directory and create another directory “level02” inside directory “level01”. Once the required directories are created copy input1.txt to scenario01, input2.txt to level01 and input3.txt to level02 and finally recursively print only the file names present in directory scenario01

```

[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls surbhiagrawal/dir01
Found 3 items
-rw-r--r--  5 march8lab23 march8lab23      37 2023-08-21 09:47 surbhiagrawal/dir01/input1.txt
-rw-r--r--  5 march8lab23 march8lab23      37 2023-08-21 09:47 surbhiagrawal/dir01/input2.txt
-rw-r--r--  5 march8lab23 march8lab23      37 2023-08-21 09:47 surbhiagrawal/dir01/input3.txt
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -mkdir surbhiagrawal/scenario01/
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -mkdir surbhiagrawal/scenario01/level01/
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -mkdir surbhiagrawal/scenario01/level01/level02
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -copyFromLocal input1.txt surbhiagrawal/scenario01
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -copyFromLocal input2.txt surbhiagrawal/scenario01/level01
input3.txt surbhiagrawal/scenario01/level01/level02copyFromLocal
copyFromLocal: `surbhiagrawal/scenario01/level01/level02hdfs': No such file or directory
copyFromLocal: `dfs': No such file or directory
copyFromLocal: `-copyFromLocal': No such file or directory
copyFromLocal: `surbhiagrawal/scenario01/level01/level02/input3.txt': File exists
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -copyFromLocal input3.txt surbhiagrawal/scenario01/level01/level02
copyFromLocal: `surbhiagrawal/scenario01/level01/level02/input3.txt': File exists
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls /user/$USER/surbhiagrawal/scenario01/level01/level02
Found 1 items
-rw-r--r--  3 march8lab23 march8lab23      37 2023-08-21 10:06 /user/march8lab23/surbhiagrawal/scenario01/level01/level02/input3.txt
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls -R surbhiagrawali/scenario01
ls: `surbhiagrawali/scenario01': No such file or directory
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls -R surbhiagrawal/scenario01
-rw-r--r--  3 march8lab23 march8lab23      37 2023-08-21 10:05 surbhiagrawal/scenario01/input1.txt
drwxr-xr-x  - march8lab23 march8lab23      0 2023-08-21 10:06 surbhiagrawal/scenario01/level01
-rw-r--r--  3 march8lab23 march8lab23      37 2023-08-21 10:06 surbhiagrawal/scenario01/level01/input2.txt
drwxr-xr-x  - march8lab23 march8lab23      0 2023-08-21 10:06 surbhiagrawal/scenario01/level01/level02
-rw-r--r--  3 march8lab23 march8lab23      37 2023-08-21 10:06 surbhiagrawal/scenario01/level01/level02/input3.txt

```