

1. Create a folder in HDFS by name "dir01" and move input1.txt , input2.txt and input3.txt into /dir01

```
[march8lab23@ip-10-1-1-204 ~]$ hdfs dfs -mkdir /user/$USER/damini/dir01
[march8lab23@ip-10-1-1-204 ~]$ hdfs dfs -ls /user/$USER/damini
Found 9 items
drwxr-xr-x   - march8lab23 march8lab23           0 2023-07-27 05:10 /user/march8lab23/damini/dir01
-rw-r--r--   3 march8lab23 march8lab23          74 2023-06-23 08:19 /user/march8lab23/damini/file.txt
-rw-r--r--   5 march8lab23 march8lab23          37 2023-06-23 06:49 /user/march8lab23/damini/file1.txt
-rw-r--r--   5 march8lab23 march8lab23          37 2023-06-23 06:58 /user/march8lab23/damini/file2.txt
drwxr-xr-x   - march8lab23 march8lab23           0 2023-07-26 12:46 /user/march8lab23/damini/output
drwxr-xr-x   - march8lab23 march8lab23           0 2023-07-26 12:48 /user/march8lab23/damini/output1
drwxr-xr-x   - march8lab23 march8lab23           0 2023-07-26 12:50 /user/march8lab23/damini/output2
drwxr-xr-x   - march8lab23 march8lab23           0 2023-07-26 12:51 /user/march8lab23/damini/output3
drwxr-xr-x   - march8lab23 march8lab23           0 2023-07-26 12:55 /user/march8lab23/damini/output4
[march8lab23@ip-10-1-1-204 ~]$
```

```
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls damini/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 -copyFromLocal input*.txt damini/dir01
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls damini/dir01
Found 3 items
-rw-r--r--   3 march8lab23 march8lab23          37 2023-07-27 07:58 damini/dir01/input1.txt
-rw-r--r--   3 march8lab23 march8lab23          37 2023-07-27 07:58 damini/dir01/input2.txt
-rw-r--r--   3 march8lab23 march8lab23          37 2023-07-27 07:58 damini/dir01/input3.txt
[march8lab23@ip-10-1-1-204 damini_file]$
```

2. List only the file names present in "/dir01"

```
march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls damini/dir01
Found 3 items
-rw-r--r--   3 march8lab23 march8lab23          37 2023-07-27 07:58 damini/dir01/input1.txt
-rw-r--r--   3 march8lab23 march8lab23          37 2023-07-27 07:58 damini/dir01/input2.txt
-rw-r--r--   3 march8lab23 march8lab23          37 2023-07-27 07:58 damini/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 damini/dir01
Replication 5 set: damini/dir01/input1.txt
Replication 5 set: damini/dir01/input2.txt
Replication 5 set: damini/dir01/input3.txt
[march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls damini/dir01
Found 3 items
-rw-r--r--   5 march8lab23 march8lab23          37 2023-07-27 07:58 damini/dir01/input1.txt
-rw-r--r--   5 march8lab23 march8lab23          37 2023-07-27 07:58 damini/dir01/input2.txt
-rw-r--r--   5 march8lab23 march8lab23          37 2023-07-27 07:58 damini/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 -mkdir damini/scenario01
march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -mkdir damini/scenario01/level01
march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -mkdir damini/scenario01/level01/level02
march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -copyFromLocal input1.txt damini/scenario01
march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -copyFromLocal input2.txt damini/scenario01/level01
march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -copyFromLocal input3.txt damini/scenario01/level01/level02
march8lab23@ip-10-1-1-204 damini_file]$ hdfs dfs -ls -R damini/scenario01
-rw-r--r--    3 march8lab23 march8lab23      37 2023-07-27 08:13 damini/scenario01/input1.txt
lrwxr-xr-x    - march8lab23 march8lab23      0 2023-07-27 08:14 damini/scenario01/level01
-rw-r--r--    3 march8lab23 march8lab23      37 2023-07-27 08:14 damini/scenario01/level01/input2.txt
lrwxr-xr-x    - march8lab23 march8lab23      0 2023-07-27 08:14 damini/scenario01/level01/level02
-rw-r--r--    3 march8lab23 march8lab23      37 2023-07-27 08:14 damini/scenario01/level01/level02/input3.t
march8lab23@ip-10-1-1-204 damini_file]$
```