

# Assignment 2.1

## Objective:-

Completion of Following Tasks:-

### Task-1:-

Objective-1:- Check whether /user/acadgild directory exists or not in the HDFS. If it doesn't exist, then create this. Create a directory /user/acadgild/hadoop.

### Output:-

Checking File Does not exist in HDFS:-

```
[acadgild@localhost ~]$ hadoop fs -ls /home/acadgild/hadoop
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
17/10/11 21:49:53 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
ls: '/home/acadgild/hadoop': No such file or directory
[acadgild@localhost ~]$
```

Creation of File in HDFS:-

```
[acadgild@localhost ~]$ hadoop fs -mkdir /home/acadgild/hadoop/
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
17/10/11 21:58:08 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
[acadgild@localhost ~]$ hadoop fs -ls /home/acadgild/
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
17/10/11 21:58:21 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 1 items
drwxr-xr-x - acadgild supergroup          0 2017-10-11 21:58 /home/acadgild/hadoop
[acadgild@localhost ~]$
```

### Task-2:

Objective-1:- Create a file in HDFS under directory /user/acadgild/hadoop, with name word-count.txt. Whatever we type on screen should get appended to the file.

Output:-

```
[acadgild@localhost ~]$ hadoop fs -appendToFile - /home/acadgild/hadoop/word_count.txt
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
17/10/11 22:08:40 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
The most important thing is to enjoy your life - to be happy - it's all that matters
^C[acadgild@localhost ~]$
[acadgild@localhost ~]$ hadoop fs -ls /home/acadgild/hadoop
[acadgild@localhost ~]$ hadoop fs -cat /home/acadgild/hadoop/word_count.txt
Java HotSpot(TM) Client VM warning: You have loaded library /home/acadgild/hadoop-2.7.2/lib/native/libhadoop.so.1.0.0 which might have disabled stack guard. The VM will try to fix the stack guard now.
It's highly recommended that you fix the library with 'execstack -c <libfile>', or link it with '-z noexecstack'.
17/10/11 22:09:35 WARN util.NativeCodeLoader: Unable to load native-hadoop library for your platform... using builtin-java classes where applicable
Found 1 items
-rw-r--r-- 1 acadgild supergroup 85 2017-10-11 22:09 /home/acadgild/hadoop/word_count.txt
[acadgild@localhost ~]$
```

Output:-

All Tasks are executed successfully.

Submitted by

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