# Big Data Technologies Assignment - 11

### **EMR CONNECTION**

```
Last login: Sat Nov 18 00:10:51 on ttys011
[(base) sailavanyanarthu@Sailavanyas-Air ~ % cd downloads
[(base) sailavanyanarthu@Sailavanyas-Air downloads % chmod 400 assign11.pem
 (base) \ sailavanyan arthu@Sailavanyas-Air \ downloads \ \% \ ssh \ -i \ assign 11.pem \ ec 2-user@ec 2-3-145-9-40.us-east-2.compute.amazonaws.com \ assign 12.pem \ ec 2-user@ec 2-3-145-9-40.us-east-2.compute.amazonaws.com \ ec 2-user@ec 2-user@ec 2-3-145-9-40.us-east-2.compute.amazonaws.com \ ec 2-user@ec 2-user@
 Last login: Sat Nov 18 06:15:23 2023 from 207.237.235.14
                   ####
                  \ #####\
                                                           AL2 End of Life is 2025-06-30.
                          \###|
                               \#/
                                                           A newer version of Amazon Linux is available!
                                                            Amazon Linux 2023, GA and supported until 2028-03-15.
                     /m/
                                                                 https://aws.amazon.com/linux/amazon-linux-2023/
 16 package(s) needed for security, out of 31 available Run "sudo yum update" to apply all updates.
 EEEEEEEEEEEEEEEE MMMMMMM
                                                                                                                MMMMMMM RRRRRRRRRRRRRRRRRR
 M\colon\colon\colon\colon\colon\colon\colon M\ R\colon\colon\colon\colon\colon\colon\colon\colon R
                                                                                                          M:::::::M R:::::RRRRRR:::::R
                                                                                               R::::R
R::::R
      E::::E
                                        EEEEE M::::::M
                                                          M::::::M:::M
      E::::E
                                                                                                                                              R:::RRRRRR::::R
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```

#### hbase shell command

```
[[ec2-user@ip-172-31-9-176 ~]$ hbase shell
log4j:ERROR setFile(null,true) call failed.
java.io.FileNotFoundException: /var/log/hbase/hbase.log (Permission denied)
    at java.io.FileOutputStream.open@(Native Method)
    at java.io.FileOutputStream.open@(Native Method)
    at java.io.FileOutputStream.open@(Native Method)
    at java.io.FileOutputStream.open@(FileOutputStream.java:270)
    at java.io.FileOutputStream.cinit>(FileOutputStream.java:133)
    at java.io.FileOutputStream.cinit>(FileOutputStream.java:133)
    at org.apache.log4j.FileAppender.setFile(FileAppender.java:282)
    at org.apache.log4j.FileAppender.activateOptions(FileAppender.java:166)
    at org.apache.log4j.DailyRollingFileAppender.activateOptions(DailyRollingFileAppender.java:216)
    at org.apache.log4j.config.PropertySetter.activate(PropertySetter.java:284)
    at org.apache.log4j.config.PropertySetter.setProperties(PropertySetter.java:160)
    at org.apache.log4j.PropertyConfigurator.parseAppender(PropertyConfigurator.java:802)
    at org.apache.log4j.PropertyConfigurator.parseCategory(PropertyConfigurator.java:738)
    at org.apache.log4j.PropertyConfigurator.onfigureRootCategory(PropertyConfigurator.java:516)
    at org.apache.log4j.PropertyConfigurator.doConfigure(PropertyConfigurator.java:516)
    at org.apache.log4j.PropertyConfigurator.doConfigure(PropertyConfigurator.java:577)
```

#### Exercice - 1

# Exercise - 2

```
[hbase:003:0> put 'csp554Tb1', 'Row1', 'cf1:name', 'sam' Took 0.1240 seconds
|hbase:004:0> put 'csp554Tb1', 'Row2', 'cf1:name', 'Ahmed'
Took 0.0113 seconds
hbase:005:0> put 'csp554Tb1', 'Row1', 'cf2:job', 'Pilot'
 Took 0.0070 seconds
look 0.0070 seconds
|hbase:006:0> put 'csp554Tb1', 'Row2', 'cf2:job', 'Doctor'
|Took 0.0079 seconds
|hbase:007:0> put 'csp554Tb1', 'Row1', 'cf2:leve1', 'LZ3'
 Took 0.0061 seconds
| Hobase:008:0> put 'csp554Tb1', 'Row2', 'cf2:level', 'AR7'
| Took 0.0072 seconds
| hbase:009:0> scan 'csp554Tb1'
ROW
Row1
                                                                                                               COLUMN+CELL
                                                                                                               column=cf1:name, timestamp=2023-11-18T06:24:54.821, value=sam
                                                                                                              column=cf1:name, timestamp=2023-11-18106:24:94.821, value=sam column=cf2:job, timestamp=2023-11-18106:26:30.002, value=Pilot column=cf2:level, timestamp=2023-11-18106:28:20.348, value=L23 column=cf1:name, timestamp=2023-11-18106:25:23.026, value=Ahmed column=cf2:job, timestamp=2023-11-18106:27:30.561, value=Doctor column=cf2:level, timestamp=2023-11-18106:28:50.270, value=AR7
  Row1
Row1
  Row2
  Row2
  Row2
 2 row(s)
Took 0.0498 seconds hbase:010:0>
```

# Exercise - 3

## Exercise - 4

## Exercise - 5

hbase:016:0>

Submitted by: Sailavanya Narthu A20516764 snarthu@hawk.iit.edu