# LMS – 420-MD3-UM – Week 3

Following the notes provided in the class and slides, try to complete the following tasks. Estimated time is about 3 hours.

## HDFS API in Scala application

With a Configuration object of default values:

1. Print effective URI
2. Print current working directory

With a Configuration object that has core-site.xml and hdfs-site.xml downloaded from the cluster,

1. Print effective URI to make sure you are connected to the cluster
2. Try to list the content of the “/user/fall2019”.
3. Print effective URI to make sure you are connected to the cluster
4. Let’s call “/user/fall2019/yourname” your folder,
   1. You already created your folder in the previous practice, check if it exists. If yes, print a message as **“I found my folder”** otherwise print **“I failed in the previous practice”**
   2. Delete your folder and everything underneath and print a message that the folder is deleted and check if it is deleted
   3. Try to create the folder again and print a success message.
   4. Check if the folder is created
   5. Create a subfolder called **stm**
   6. Put **stops.txt** file under **stm**
   7. Make a copy of **stops.txt**  under the same folder and call it **stops2.txt**
   8. Rename **stops2.txt** to **stops.csv**
   9. Get the first 5 lines of **stops.csv** and print it in the console