// MongoBD :

Installation:

Step: 1

Download : mongodb community server (search) & download shell from tools.

Step: 2

Extract mongoshell, cut that file and paste in c->program files ->mongodb->bin

Step: 3

Env : copy bin path, user variable path, double click on path, click new and paste bin path.

Step: 4

Create folder\_name data -> db in c drive.

Step: 5

Go to mongo campass, click connect. Type mongosh in terminal.

Commands:

1. show dbs
2. use db\_name
3. db.employee.insert({“emp\_id”: 1, “emp\_name” : “name”})
4. show collections
5. db. employee.find({}).pretty()
6. db. employee.count()
7. db.employee.update({“emp\_id” : 1}, {$set:{“emp\_name”:”pop”}})
8. db. employee.find({}).pretty()
9. db. employee.remove({“emp\_id” : 1})

// Cassandra Table:

Set env java 8, python 2.7

Download cassandra -> paste it in c: -> set env into path bin folder

Command: cassandra –f -> cqlsh

1. describe keyspace;
2. create keyspace javafrm with replication = {‘class’: ‘SimpleStrategy’,’replication\_factor’:3};
3. use javafrm;
4. create table student(id int primary key,name text);
5. insert into student (id,name) values (1,’josh’);
6. select \* from student;

// Hadoop:

Download link: <https://www.mediafire.com/file/09hqo092c84rm3i/BigData.rar/file>

Copy hadoop 3.2.2 path, env -> user variable -> new -> variable name: HADOOP\_HOME -> COPY file path ->

Copy spark file path, env -> user variable -> new -> variable name: SPARK\_HOME-> COPY file path ->

Double click on path -> new -> paste hadoop 3.2.2 bin -> paste hadoop 3.2.2 sbin

Double click on path -> new -> paste spark bin -> paste spark sbin

Command prompt type : spark-shell

Run another command prompt type: start-dfs -> start-yarn

Minimize all command prompt

Go to browser type localhost:9870

// Spark:

Download spark: <https://spark.apache.org/downloads.html>

Download winutil: <https://github.com/steveloughran/winutils/blob/master/hadoop-2.7.1/bin/winutils.exe>

After extracting spark, create bigdata folder in c and put spark folder in it.

Create another folder name : hadoop and in hadoop create bin and paste winutil in it.

Set env variables:

user variable -> new -> HADOOP\_HOME -> PASTE hadoop folder path.

user variable -> new -> SPARK\_HOME-> PASTE FOLDER folder path.

user variable -> double click on path -> new -> paste hadoop bin folder path.

user variable -> double click on path -> new -> paste spark bin folder path.

Go to command prompt type: spark-shell.

// cloudera :

Download cloudera, 7zip, virtual box

Open virtual box -> file-> import appliance -> cloudera extract folder -> select cloudera -> start

Terminal commands:

* hostname -> hdfs dfs –ls -> sudo /home/cloudera/cloudera-manager --express --force

go to web browser -> copy that link -> put username & pass ->