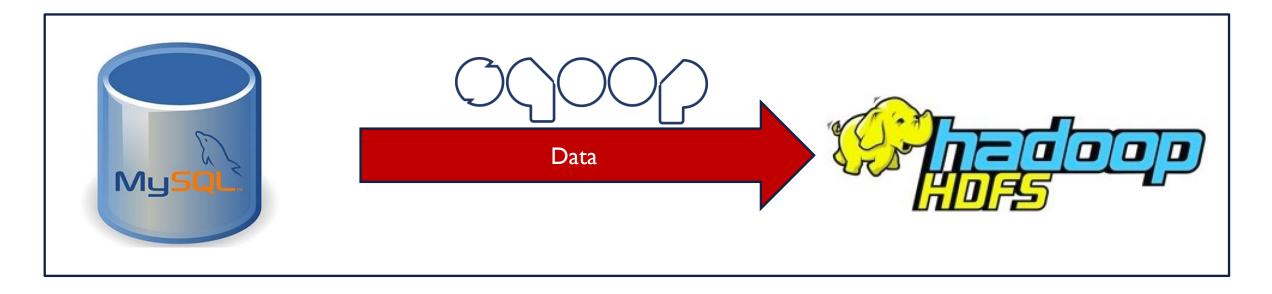
LAB 01.A - WORKING WITH HDFS, SQOOP & MYSQL



1º Start-dfs.sh 2º Start-yarn.sh jps

3° sudo systemctl status mysqld

4º mysql –u root -p

WORKING WITH HDFS, SQOOP & MYSQL

5º Create database structure:

```
create database testdb;

use testdb;

create table employees (username varchar(30), password varchar(30));

insert into employees value ('Alan Turing', 'password123');

select * from employees;
```

6º Sqoop connects to Mysql through a JDBC connector

Download: mysql-connector-java-8.0.23.zip

cp mysql-connector-java-8.0.23.jar /opt/sqoop/lib

WORKING WITH HDFS, SQOOP & MYSQL

7º Connection to import the MySQL table into Hadoop using Sqoop

Test connection: sqoop list-databases --connect jdbc:mysql://localhost:3306/ --username root –P

Import data: sqoop import --connect jdbc:mysql://localhost:3306/ testdb?serverTimezone=UTC --username root --

password xxxxxxx --table employees --m 1

ritten=23

INFO mapreduce.ImportJobBase: Transferred 23 bytes in 27.9275 seconds (0.8236 bytes/sec)
INFO mapreduce.ImportJobBase: Retrieved 1 records.

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hdfs dfs -ls /user/hadoop/ employees

9° Bring the created file to the local system:

Hdfs dfs –get /user/hadoop/ employees/part-m-00000

~ > gedit part-m-00000