

## ASSIGNMENT 6

### DATA INGESTION TOOL SQOOP & INTRODUCTION TO CASE STUDY 1

#### PROBLEM STATEMENT –

1. Use Sqoop tool to export data present in SQOOPOUT folder made while demo of Import table.
2. Use Sqoop tool to export data present in SQOOPOUT folder made while demo of Import table with parameter person\_id =3.

#### SOLUTION –

Data in sqoopout directory –

1,Abhishek,Ram,Patna,Bihar

2,Tanya,Priya,Whitefiled,Bangalore

3,James,Brown,New York, United States

4,Jhon,Miller, Los Angeles , United States

```
[acadgild@localhost ~]$ hadoop fs -cat /sqoopout/part-m-00000
18/09/22 14:31:10 WARN util.NativeCodeLoader: Unable to load native-hadoop
Patna,Bihar,Ram,Abhishek,1
Whitefiled,Bangalore,Priya,Tanya,2
New York,United States,Brown,James,3
Los Angeles ,United States,Miller,Jhon,4
```

Exporting the data to the table Person\_export

```
mysql> describe Person_export;
+-----+-----+-----+-----+-----+-----+
| Field      | Type          | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| person_id  | int(11)       | NO   |     | NULL    |       |
| lname      | varchar(20)   | YES  |     | NULL    |       |
| fname      | varchar(20)   | YES  |     | NULL    |       |
| area       | varchar(20)   | YES  |     | NULL    |       |
| city       | varchar(20)   | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

1. `sqoop export --connect jdbc:mysql://localhost/simplidb --table Person_export --username root --password Root@123 --export-dir /sqoopout/part-m-00000`

```
[acadgild@localhost ~]$ sqoop export --connect jdbc:mysql://localhost/simplidb --table Person_export --username root --password Root@123 --export-dir /sqoopout/part-m-00000
```

We are connecting to MySQL through JDBC connectors and using the database **simplidb**. Here it is necessary to specify the MySQL 's **username** and **password** and the **table name**. The data in **HDFS** will be exported into table **Person\_export**.

```
mysql> select * from Person_export;
```

person_id	lname	fname	area	city
4	Jhon	Miller	Los Angeles	United States
1	Abhishek	Ram	Patna	Bihar
3	James	Brown	New York	United States
2	Tanya	Priya	Whitefiled	Bangalore

```
4 rows in set (0.00 sec)
```

2. `sqoop export --connect jdbc:mysql://localhost/simplidb --table Person_id --username root --password Root@123 --export-dir /sqoopoutid/part-m-00000`

```
[acadgild@localhost ~]$ sqoop export --connect jdbc:mysql://localhost/simplidb --table Person_id --username root --password Root@123 --export-dir /sqoopoutid/part-m-00000
```

We are connecting to MySQL through JDBC connectors and using the database **simplidb**. Here it is necessary to specify the MySQL 's **username** and **password** and the **table name**. The data in **HDFS** will be exported into table **Person\_id**.

```
mysql> select * from Person_id;
```

person_id	lname	fname	area	city
3	James	Brown	New York	United States

```
1 row in set (0.00 sec)
```