**USE CASE 1:***Design a solution to incrementally download the data from all the tables in a specific project.*

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| information\_schema |

| sqoop |

+--------------------+

2 rows in set (0.00 sec)

mysql> use sqoop

Reading table information for completion of table and column names

You can turn off this feature to get a quicker startup with -A

Database changed

mysql> show tables;

+-----------------+

| Tables\_in\_sqoop |

+-----------------+

| cities |

| countries |

| normcities |

| staging\_cities |

| visits |

+-----------------+

5 rows in set (0.00 sec)

mysql> select \* from cities;

+----+----------------+-----------+

| id | country | city |

+----+----------------+-----------+

| 1 | USA | Palo Alto |

| 2 | Czech Republic | Brno |

| 3 | USA | Sunnyvale |

+----+----------------+-----------+

3 rows in set (0.00 sec)

**Do the initial import:**





**Verify the import using Hue**









**Insert a new record:**

mysql> INSERT INTO `cities`(`id`, `country`, `city`) VALUES (4, "India", "Delhi");

Query OK, 1 row affected (0.00 sec)

mysql> select \* from cities;

+----+----------------+-----------+

| id | country | city |

+----+----------------+-----------+

| 1 | USA | Palo Alto |

| 2 | Czech Republic | Brno |

| 3 | USA | Sunnyvale |

| 4 | India | Delhi |

+----+----------------+-----------+

4 rows in set (0.00 sec)

**Do an incremental import:**





**Verify the incremental import in Hue:**





**Insert one more record:**

mysql> INSERT INTO `cities`(`id`, `country`, `city`) VALUES (5, "UK", "London");

Query OK, 1 row affected (0.00 sec)

mysql> select \* from cities;

+----+----------------+-----------+

| id | country | city |

+----+----------------+-----------+

| 1 | USA | Palo Alto |

| 2 | Czech Republic | Brno |

| 3 | USA | Sunnyvale |

| 4 | India | Delhi |

| 5 | UK | London |

+----+----------------+-----------+

5 rows in set (0.00 sec)

**Create a Sqoop job to perform an incremental update:**



**Execute the Sqoop Job:**







**Verify the incremental import using Hue:**





**Create the Sqoop jobs for other tables too:**







**The following Sqoop Jobs can be executed to perform incremental download for all the tables in the project OR these jobs can be configured in Oozie to create a workflow:**

