TASk-2: copy only person-id = 8 from db to hdfs and export the data from hds to a new table

STEP-1: Check the person table data exist or not.

```
mysql> select * from person;
 person id | person name
                            person address
                                              person mobile
          1
                             Tavarekera
                                                  8989890000
              satya
          2
                            BTM
              priya
                                                  9898002323
          3
              muna
                             Agra
                                                  7878999900
                             Silk Board
          4
              kuna
                                                  7676889900
          5
              swapna
                            HSR
                                                  8787990012
              prakash
                             HSR
                                                  9889007878
          6
                            HSR
              jhuna
                                                  9876500123
 rows in set (0.00 sec)
```

STEP-2: create another table from which we can copy data from hdfs

```
mysql> create table person2 like person;
Query OK, 0 rows affected (0.03 sec)
mysql> select * from person2;
Empty set (0.00 sec)
```

STEP-3 : check the hdfs, where the person data copied from the db and make sure there is no 8^{th} record present in it.

```
[acadgild@localhost ~]$ hadoop fs -cat /satya/sqoop/SQ00P0UT/p* 18/11/08 19:02:03 WARN util.NativeCodeLoader: Unable to load nat: Tavarekera,1,8989890000,satya BTM,2,9898002323,priya Agra,3,7878999900,muna Silk Board,4,7676889900,kuna HSR,5,8787990012,swapna HSR,6,9889007878,prakash HSR,7,9876500123,jhuna
```

```
STEP-4: Now insert the 8<sup>th</sup> record to the existing table Person
mysql> insert into person values(8,'Rahul','BTM',8585767700);
Query OK, 1 row affected (0.00 sec)
```

	* from person person name	person_address	++ person mobile
		+	++
1	satya	Tavarekera	8989890000
2	priya	BTM	9898002323
3	muna	Agra	7878999900
4	kuna	Silk Board	7676889900
5	swapna	HSR	8787990012
6	prakash	HSR	9889007878
7	jhuna	HSR	9876500123
8	Rahul	BTM	8585767700
		+	++

STEP-5: Now we have additional record with person_id as 8 which need to be imported in the Hadoop file. For that we will use the **sqoop incremental import**

[acadgild@localhost ~]\$ sqoop import --connect jdbc:mysql://localhost/emp --username root --password Root@123 --table person --target-dir /satya/sqoop/SQ 00POUT/ -m 1 --incremental append --check-column person_id --last-value 7

```
| Canada | C
```

```
HDFS: Number of large read operations=0
HDFS: Number of write operations=2
Job Counters

Caunched map tasks=1
Other local map tasks=1
Total time spent by all maps in occupied slots (ms)=0
Total time spent by all maps in occupied slots (ms)=0
Total time spent by all map tasks (ms)=10513
Total vore-milliseconds taken by all map tasks=10533
Total megabyte-milliseconds taken by all map tasks=1076312
Map-Reduce Framework
Map input records=1
App output records=1
Input split bytes=87
Splited bytes=87
Splited Shortfles=9
Margad Map outputts=0
Of time alapsed (ms)=177
CPU time spent (ms)=2160
Physical memory (bytes) snapshot=2063437624
Total committed heap usage (bytes)=32571392
File Input Format Counters
Bytes Read=8
File Output Format Counters
Bytes Read=9
File Output Format Counters
Bytes Written=23
18/11/08 18:21:20 NNO mapreduce.importJobBase: Transferred 23 bytes in 42.5579 seconds (0.5404 bytes/sec)
18/11/08 18:21:20 NNO mapreduce.importJobBase: Retrieved 1 records.
18/11/08 18:21:20 NNO mapreduce.importJobBase: Retrieved 1 records.
18/11/08 18:21:20 NNO mapreduce.importJobBase: Retrieved 1 records.
18/11/08 18:21:20 NNO mapreduce.importJobBase: Netrieved 1 records.
18/11/08 18:21:20 NNO total.AppendUtils: Sing dound partition 1
18/11/08 18:21:20 NNO total.AppendUtils: Using dound partition 1
18/11/08 18:21:20 NNO total.AppendUtils: Using dound partition 1
18/11/08 18:21:20 NNO total.ImportTool: --incremental appent compress of the surface of the surface
```

STEP-6: Now we will check once again the data using cat command in the same file

```
[acadgild@localhost ~]$ hadoop fs -cat /satya/sqoop/SQ00POUT/p*
18/11/08 19:07:24 WARN util.NativeCodeLoader: Unable to load native
Tavarekera,1,8989890000,satya
BTM,2,9898002323,priya
Agra,3,7878999900,muna
Silk Board,4,7676889900,kuna
HSR,5,8787990012,swapna
HSR,6,9889007878,prakash
HSR,7,9876500123,jhuna
BTM,8,8585767700,Rahul
[acadgild@localhost ~]$
```

STEP-7:

Now we will export data from hadoop filesystem to DB

```
[acadgild@localhost ~]$ sqoop export --connect jdbc:mysql://localhost:3306/emp --username root --password Root@123 --table person2 --export-dir /satya/sq oop/SQ00POUT -m 1
```

```
| Jacabglidginalnost -| S spoop export --connect jdbc:mysqt://tocalhost:3306/emp --username root --password Root@123 --table person2 --export-dir /satya/sq pop/S000PDUT -m 1 | Parning: /Nome/acadgild/instail/spoop/spoop-1.4.o.uni nadoop-2.0.4-aipha/../mcatadg does not exist! History 300 Nit Tail. | Please set SHCAT HOME to the root of your History and installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the root of your Mctalladin installation. | Please set SHCAT HOME to the your SHCAT HOME to the root of your Mctalladin installation installation. | Please set of your SHCAT HOME to the your SHCAT HOME
```

```
18/11/08 19:11:00 INFO mapreduce.Job: map 0% reduce 0%
18/11/08 19:11:11 INFO mapreduce.Job: map 100% reduce 0%
18/11/08 19:11:12 INFO mapreduce.Job: Job job_1541677863265_0006 completed successfully
 18/11/08 19:11:13 INFO mapreduce.Job: Counters: 30
                File System Counters
                               stem Counters
FILE: Number of bytes read=0
FILE: Number of bytes written=127575
FILE: Number of read operations=0
FILE: Number of large read operations=0
HDFS: Number of bytes read=414
HDFS: Number of bytes written=0
HDFS: Number of read operations=7
HDFS: Number of large read operations=0
HDFS: Number of write operations=0
                Job Counters
                                Launched map tasks=1
Data-local map tasks=1
                                Total time spent by all maps in occupied slots (ms)=7888
Total time spent by all reduces in occupied slots (ms)=0
Total time spent by all map tasks (ms)=7888
Total vcore-milliseconds taken by all map tasks=7888
Total megabyte-milliseconds taken by all map tasks=8077312
                Map-Reduce Framework
                                 Map input records=8
                                 Map output records=8
                                 Input split bytes=208
                                 Spilled Records=0
                                 Failed Shuffles=0
Merged Map outputs=0
                                 GC time elapsed (ms)=82
CPU time spent (ms)=2260
                                 Physical memory (bytes) snapshot=107286528
Virtual memory (bytes) snapshot=2061332480
Total committed heap usage (bytes)=32571392
                File Input Format Counters
                                 Bytes Read=0
                File Output Format Counters
                                 Bytes Written=0
 18/11/08 19:11:13´INFO mapreduce.ExportJobBase: Transferred 414 bytes in 29.7962 seconds (13.8944 bytes/sec)
18/11/08 19:11:13 INFO mapreduce.ExportJobBase: Exported 8 records.
You have new mail in /var/spool/mail/acadgild
```

STEP-8: Check the table person2 whether all the data copied or not

			person_mobile
2 p 3 m 4 k 5 s 6 p 7 j	satya oriya nuna kuna swapna orakash jhuna	Tavarekera BTM Agra Silk Board HSR HSR HSR BTM	8989890000 9898002323 7878999900 7676889900 8787990012 9889007878 9876500123 8585767700