# Programming Project

## Create table in MySQL

Create database Project

Run the following scripts in Mysql:

1. Create\_and\_Load\_Echonest.sql
2. create\_tracks\_and\_Load.sql

The first script creates the Echonest table in MySQL and loads the data from Excel;

The second script creates the Tracks table in MySQL and loads the data from Excel;

## Make a view

Create \_FMA.sql script will create the FMA table in MySQL and then it will load the query into it.

## Create Tables in HBase

In a new command window start HBase and HBase Shell.

Create FMA table Create 'FMA', 'Cf1'

Create FMA\_Results table Create 'FMA\_Results', 'Cf1'

## Sqoop table from MySQL to HBase

Change directory: cd /usr/local/sqoop/bin/

Sqoop the

/usr/local/sqoop/bin/sqoop import --connect jdbc:mysql://127.0.0.1/project --username root --password Hadoop2015 --table "FMA" --columns "track\_id, album\_listens,track\_duration,track\_favorites,track\_genre\_top" --hbase-table "FMA" --column-family "Cf1" --hbase-row-key id -m 1

## Run MapReduce Jobs

See folder with MapReduce code.