We will be creating views and saving them into HBase tables for faster access!

We will do this by running a few spark-sql commands on the spark shell

Run the following commands on the hadoop cluster:

**spark-shell**

Now run all the individual commands and table creation statements on the spark shell.

We will create views that we can later export as tables to load into HBase.

Run all the commands in the file [create\_views.scala](https://drive.google.com/file/d/1ZOuWphoIcvhzBmjwnbC3hcwfbrEs-NeI/view?usp=share_link)

This will create views we are interested in using in our website

The views I’ve covered our:

1. Information about movie selected
2. Best movies in the same genre as the movie given
3. Best movie from the same year as the movie entered

We will need to send these tables to HBase for fast access to our website (the HBase tables are many times faster than getting data directly from hive tables.)

Run the commands in file [CreateHBaseTable.txt](https://drive.google.com/file/d/1o8n-1SeiXfl1uns2KHKqTzIFAApqEtfs/view?usp=share_link) in the Hadoop cluster. These lines of code define the HBase tables that we will be filling up with useful data.

Finally run [write\_to\_hbase.hql](https://drive.google.com/file/d/1nwnI9dH0GEka0IOicvmW_8fpkGFFwrxp/view?usp=share_link) to store the data from our views in create\_views.scala to HBase tables.

We now have a functioning serving layer!