**MySQL queries used**

* Create database movies\_db;
* Use movies\_db;
* Imported csv files into separate tables(movies, ratings) inside movies\_db database using mysqlworkbench.
* After that assigned ‘tconst’ as primary key for both movies and ratings table and also changed datatypes of some fields using mysqlworkbench user Interface.
* Also assigned a foreign key for the ratings table using below sql query:

“ Alter table ratings

Add foreign key(tconst) references movies(tconst);”

* Sql command used to fetch top 10 movies with the longest runtime along with other fields such as tconst, primaryTitle, runtimeMinutes and genres:

“ select tconst, primaryTitle, runtimeMinutes, genres from movies

Order by runtimeMinutes desc

Limit 10; ”

* Sql command to post data,

“

Insert into movies values (?, ?, ?, ?, ?);

”

Where ? marks were filled in by an array of parameters containing information of fields of the movies table such as tconst, primarytitle, etc.

* Sql command to fetch movies with an averageRating > 6.9 in sorted order by averageRating:

“

Select movies.tconst, primaryTitle, genres, averageRating from movies join ratings on movies.tconst = ratings.tconst

Where averageRating>6

Order by averageRating;

”