**Assignment -1**

1. ratingsData = LOAD '/user/movies/ratingsText' USING PigStorage(',') AS (userID:int, itemID:int, rating:int, timestamp:chararray);
2. ratingsFilter = FILTER ratingsData BY rating>4;

ratingsLimit = LIMIT ratingsData 5;

1. SPLIT ratingsData INTO ratings1 if rating==1,ratings2 if rating==2,ratings3 if rating==3,ratings4 if rating==4,ratings5 if rating==5;
2. ratingsMultiply = FOREACH ratingsData GENERATE userID,itemID,rating\*5 AS rating25,timestamp;

ratingsMultiplyLimit = LIMIT ratingsMultiply 5;

usersData = LOAD '/user/movies/userText' USING PigStorage(',') AS (userID:int, age:int, gender:chararray, occupation:chararray, zipCode:chararray);

1. userJoinRatings = JOIN usersData BY userID, ratingsData BY userID;

userJoinRatingsED = FOREACH userJoinRatings GENERATE usersData::userID, usersData::age, usersData::gender, usersData::occupation, usersData::zipCode, ratingsData::itemID, ratingsData::rating, ratingsData::timestamp;

1. userJoinRatingsGroup = GROUP userJoinRatingsED BY itemID;
2. userJoinRatingsCount = FOREACH userJoinRatingsGroup GENERATE group, COUNT\_STAR(userJoinRatingsED) AS count;
3. usersGroupRatings = COGROUP usersData BY userID, ratingsData BY userID;
4. usersGroupRatingsFlatten = FOREACH usersGroupRatings GENERATE group,FLATTEN(usersData),FLATTEN(ratingsData);