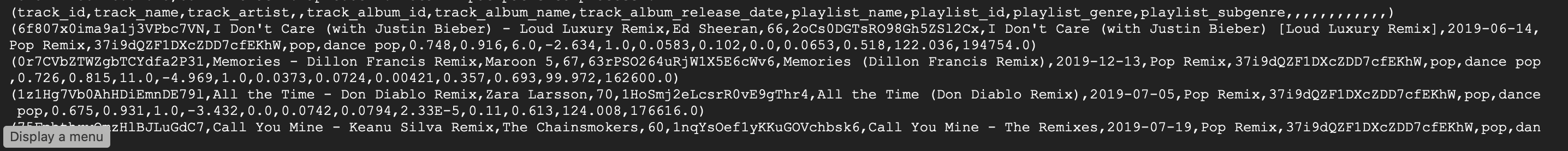
Assignment 3

Part 2: Data Manipulation with Apache Pig (5%)1. Data Loading (1%)• Load the dataset into a Pig relation with appropriate data types foreach column.

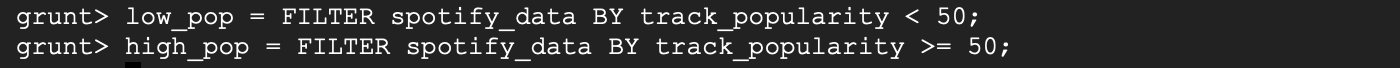
A screen shot of a computer

Description automatically generated

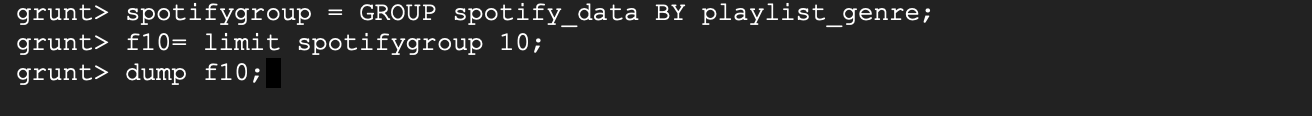




2. Data Filtering (1%)• Split data into tracks with a track popularity less than 50(low popularity) and equal or greater than 50 (high\_popularity).

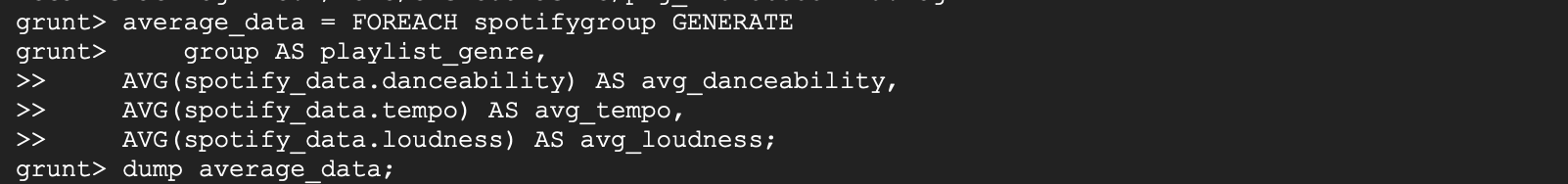


3. Data Grouping and Aggregation (2%)• Group the data by playlist\_genre and calculate the average\_danceability, tempo, and loudness for each genre.



A screen shot of a computer

Description automatically generated



A screenshot of a computer

Description automatically generated

4. Data Exporting (1%)• Store the results of the aggregations into files for further analysis or visualization



A screenshot of a computer

Description automatically generated