1. Your visualization must include a Python Flask-powered RESTful API, HTML/CSS, Javascript, and at least one database (SQL, MongoDB, SQLite, etc.).
2. Your project should fall into one of the below four tracks:
   1. A custome “creative” D3.js project (i.e., a nonstandard graph or chart)
   2. A combination of web scraping and Leaflet or Plotly
   3. A dashboard page with multiple charts that update from the same data
   4. A “thick” server that performs multiple manipulations on data in a database prior to visualization (must be approved)
3. Your project should include at least one JS library that we did not cover.
4. Your project must be powered by a data set with at least 100 records.
5. Your project must include some level of user-driven interaction (e.g., menus, dropdowns, textboxes).
6. Your final visualization should ideally include at least 3 views.
   1. Map with markers for top 5 for each country
      1. Can you have markers that are shaped like numbers?
         1. Could use for top 3 songs to show all song details
      2. List
   2. Interactive bar chart – filter by number of streams, filter by country, artist?
      1. Filter in PGAdmin by all above and reference in code
      2. Week 15 – separate JS file that was only data
      3. Is it possible to pull PGAdmin database to JS data-only file
      4. Stacked bar chart of top 5 or whatever songs (global) that stacks the number of streams per country that stream that song
         1. <https://www.chartjs.org/samples/latest/charts/bar/stacked-group.html>
   3. Threejs – 3D globe with markers
      1. Top 5 songs list when you scroll over the globe
      2. <https://blog.mastermaps.com/2013/09/creating-webgl-earth-with-threejs.html>
   4. Other brilliant idea

Strategy

Deploy data as API end point and call using javascript

Must use flask

Installed node js as additional library in order to use npm command