```
ison1.html
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Title</title>
<script>
```

```
"genre": ["Pop"],
    "year": 2022
}

let jsonData = JSON.stringify(songs);
document.write(jsonData);
</script>
</head>
</body>
```

```
json2.html
<!DOCTYPE html>
<head>
  <meta charset="UTF-8">
  <title>Title</title>
</head>
  <h1>Song List</h1>
    <option value="">All Genres</option>
</select>
<button id="filter-btn">Filter
<div id="song-list"></div>
<script>
              let raw string = document.getElementById("raw-data");
              let stringify = JSON.stringify(data);
              showAllSongs(data);
            const genres = getGenres(data); // get all genres from the song
            const genreSelect = document.querySelector('#genre');
              const option = document.createElement('option');
              option.value = genre;
              genreSelect.appendChild(option);
            const filterBtn = document.querySelector('#filter-btn');
            filterBtn.addEventListener('click', function() {
              const filteredSongs = data.filter(song => {
              console.log(filteredSongs);
```

```
const songList = document.querySelector('#song-list');
           if (filteredSongs.length > 0) {
                  const div = document.createElement("div");
                  const title = document.createElement('h2');
                 div.appendChild(title);
                  songList.appendChild(div);
function showAllSongs(data) {
    const container = document.getElementById("song-list");
    const div = document.createElement("div");
    div.setAttribute("id", "main-container");
    const title = document.createElement('h2');
    title.setAttribute("class", "title");
    const artist = document.createElement('p');
    const genre = document.createElement('p');
    genre.setAttribute("class", "genre");
    const year = document.createElement('p');
    year.setAttribute("class", "year");
    year.innerHTML = `Released ${song.year}`;
    div.appendChild(title);
    div.appendChild(artist);
    div.appendChild(genre);
    div.appendChild(year);
```

```
container.append(div);
})

function getGenres(songList) {
   const genres = new Set();
   songList.forEach(song => {
      song.genre.forEach(genre => genres.add(genre));
   });
   return Array.from(genres);
}
</script>
</body>
</html>
```

Links

Part 1: https://kerwinteh.github.io/cs20/Assignment7/json1.html
Part 2,3,4: https://kerwinteh.github.io/cs20/Assignment7/json1.html

Questions

I prefer JSON because it is more readable to the human eye. It is also easier to read using javascript and is slightly more structured than XML.