Concert Query Assignment

Using made up data (mocked) for concerts at the arena of the Ticket Office, add some functionalities to query such data.

First step
Add a **Concert** class.

The Concert class should have these exact properties:
• int Id
• bool ReducedVenue
• DateTime Date
• string Performer
• int BeginsAt
• int FullCapacitySales

Second step
The properties correspond to lines in a file from which data will be read. Put the file in the same folder as Program.cs. Get the file called "concert_data.json" on Teams.

Use this line in Program.cs when trying to read the file data:

string concertData = File.ReadAllText("concert_data.json");

Run the app and receive an error message. Look for where it says that nothing where found at the specified path. Copy the path mentioned there and use that path in the ReadAllText method. But change it so that it points to the folder where the file is actually located.

Third step
Translate the file data to a List<Concert> in Proogram.cs. Use the the JsonSerializer for this:

List<Concert> concerts =
JsonSerializer.Deserialize<List<Concert>>(concertData);

Fourth step
Write five queries (LINQ) with the following specifications, all returning new lists.

1. Return a new List<Concert> ordered by the Date value, going from the present date.

2. Return a new List<Concert> with all concerts of a ReducedVenue (true).

3. Return a new List<Concert> with all concerts during 2024.

4. Return a new List<Concert> with the five biggest projected sales figures (the FullCapacitySales value).

5. Return a new List<Concert> with all concerts taking place on a Friday. The Date (because it is of DateTime) has a property called DayOfWeek. There is also an enumeration called the same thing, DayOfWeek.

Try to do all five queries. But if you get none of them working, it is okay. Commit to git and push to GitHub.

Finish the assignment by Friday