GENERATION OF DATA

The data used in the LawConference application was randomly generated as JSON data using Json Generator and placed as asset in the project directory. On start of the app, in the **App** class, the json file is read and the data is then converted to List of Events using Gson, and then saved into the Room database if the database is empty, ensuring that this operation is performed only once ever in the app and that the data is never overridden. Unless the app is uninstalled, the data will always be available.

The data is managed within the app and functions have been created to interact with the database. Some of the functions are:

1. **getEvents()** - To fetch all saved events in the app ordered by the startDate in descending order.

2. **getEventsNoLiveData()** - To fetch all saved events but without using LiveData. This came in handy when fetching from the database on start of the app to do a check for data in the database.

3. **insert(events: List<Events>)** - Takes a list of events as parameter and saves them in the database on start of the app.

4. **getFavourites()** - Returns a list of events that have been marked as favourite.

5. **update(eventId: String, isFavourite: Boolean)** - This is used to update an event and add or remove it from favourites.