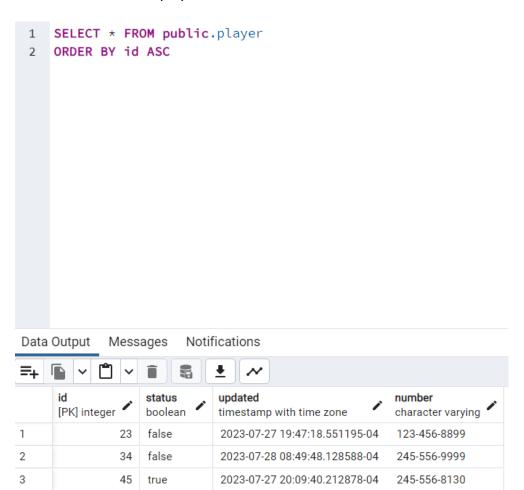
Java Sample Web Service Program

I decided to use Spring Boot Framework for this project. This is developed in Java 11, with PostgreSQL 15 and pgadmin 4 v7.5.

How to run this project: -

- 1. Unzip the project.
- 2. You need to have installed Java 11, PostgresSQL 15 and pg admin tool.
- 3. Create a database *playerdb* with user *postgres* in the pgadmin 4 GUI.
- 4. Import the contents of the *mydatabase_backup.sql* into the database by using the command:- *psql* -h localhost -U postgres -d playerdb -f mydatabase_backup.sql.
- 5. Once the database is ready, we can start up the spring boot service.
- 6. Go to the root of the project and run java -jar target\ticketapp-0.0.1-SNAPSHOT.jar.
- 7. The service will start up.
- 8. Now go to any REST API service test clients like curl, JMeter, wget, postman, etc.

The screenshot of the player table in the database :-



Example REST calls allowed:-

1. GET calls to display the contents of a specific player.

http://127.0.0.1:8080/player/print?id=34

```
Output JSON :-

{

"id": 34,

"status": false,

"number": "245-556-9999",

"updated": "2023-07-28T12:49:48.128588Z"
}
```

2. POST Calls to update the status and number of a player.

http://127.0.0.1:8080/player/update/34

```
{
    "status" : "false",
    "number" : "245-556-9999"
}

Output JSON :-

{
    "id": 34,
    "status": false,
    "number": "245-556-9999",
    "updated": "2023-07-28T12:49:48.128588Z"
}
```

Extra Credit:

1. The spring boot application by default is multi-threaded and also can handle multiple clients at once.