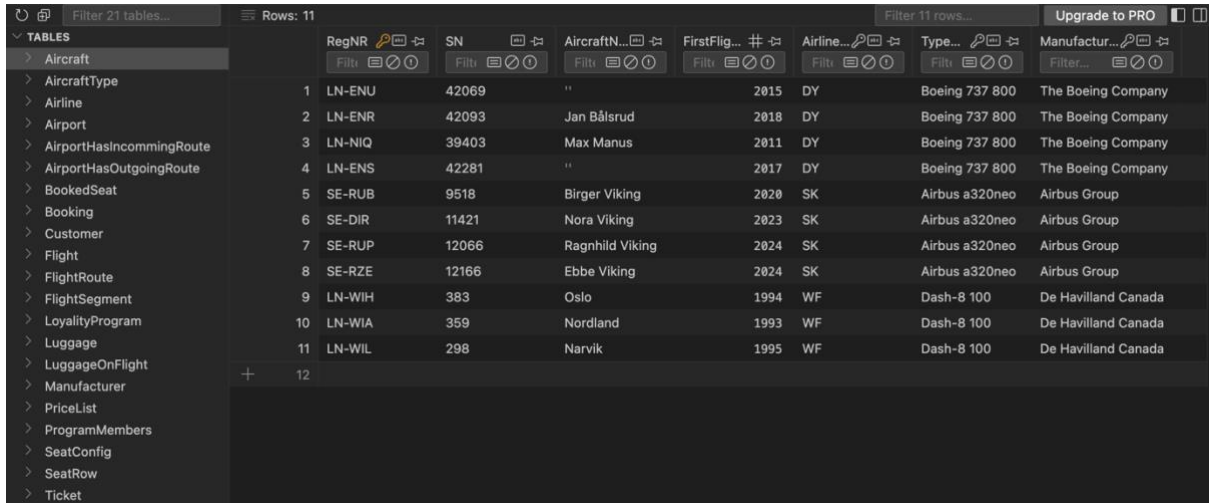# Output for Use Cases

Note: The **blue** text displayed in the terminal output after running the Python scripts represents data entered by the user.
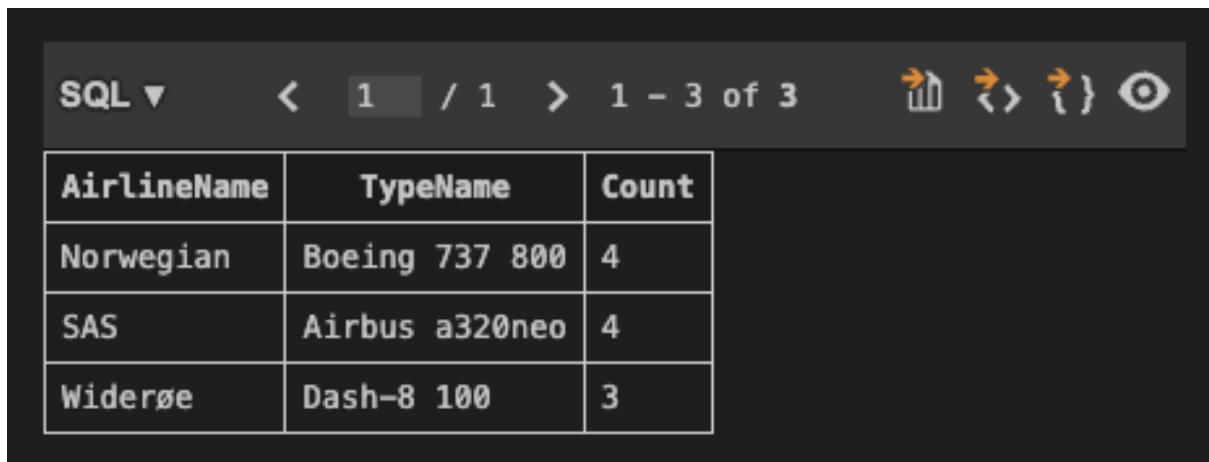
- Use Case 1-4:

Figure 1: The database after initialization and insertion

- Use Case 5:

Figure 2: This table is shown after running Use Case 5

- Use Case 6:

```
Available Airports:
  BGO: Bergen lufthavn, Flesland
  BOO: Bodø Lufthavn
  OSL: Oslo lufthavn, Gardermoen
  SVG: Stavanger lufthavn, Sola
  TRD: Trondheim lufthavn, Værnes

Choose an airport [Use airport code from list]:
> TRD

Choose a weekday [1-7]:
> 2

Departures or arrivals? [departures, arrivals]:
> Departures

Result:
  • RouteID: SK888, Earliest Departure: 10:00, Full Route: TRD->BGO, BGO->SVG
  • RouteID: DY753, Earliest Departure: 10:20, Full Route: TRD->OSL
  • RouteID: WF1311, Earliest Departure: 15:15, Full Route: TRD->BOO
```

Figure 3: Output from the terminal after running the script for Use Case 6

- Use Case 7:

```
Available Flights:
  • F001_DY753
  • F001_SK888
  • F001_WF1302
  • F002_SK888
  • F003_SK888

Enter flight number:
> F001_WF1302

Success: Inserted 38 seats for flight F001_WF1302.

Success: Executed sql_operations/book_flight.sql successfully.
         You can now verify the booking in the database.
```

Figure 4: Output from the terminal after running the script for Use Case 7

- Use Case 8:

```
Available Route IDs:
  DY753
  SK332
  SK888
  WF1302
  WF1311

Enter flight route ID:
> WF1302

Enter flight date (YYYY-MM-DD):
> 2025-04-01

Seat availability for flight F001_WF1302 on aircraft type Dash-8 100:

              X     1D
  X     2B    2C    2D
  3A    3B    X     3D
  X     4B    4C    4D
  5A    5B    X     5D
  X     6B    6C    6D
  7A    7B    X     7D
  X     8B    8C    8D
  9A    9B    X     9D
  10A   X     10C   10D
```

Figure 5: Output from the terminal after running the script for Use Case 8