

QUERY SCRIPT

Query 1: To list all flights operated by Air India

Object Explorer

- Servers (2)
 - PgSQLServer
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 - 202301278
 - Casts
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 - Schemas (4)
 - airport_management_system
 - company
 - public
 - xit
 - Subscriptions

Properties X Statistics X Dependencies X Dependents X Processes X PROJECT

202301278/202301278@PgSQLServer

No limit

Query Query History

```
1 -- QUERY SCRIPT
2 SET SEARCH_PATH TO Airport_Management_System;
3
4 -- 1. List all flights operated by 'Air India'
5 SELECT Flight_Code FROM FLIGHT WHERE AirlineID = 3;
```

Data Output Messages Notifications

flight_code
[PK] character varying (20)
1 AI202

Query 2: To list all passengers flying from 'New York' to 'Los Angeles'

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Properties X Statistics X Dependencies X Dependents X Processes X PROJECT_DATABASE...

202301278/202301278@PgSQLServer

No limit

Query Query History

```
6
7 -- 2. Get all passengers flying from 'New York' to 'Los Angeles'
8 SELECT P.Fname, P.Lname
9 FROM PASSENGER P
10 JOIN FLIGHT_PASSENGER FP ON P.PID = FP.PID
11 JOIN FLIGHT F ON FP.Flight_Code = F.Flight_Code
12 WHERE F.Source = 'New York' AND F.Destination = 'Los Angeles';
13
```

Data Output Messages Notifications

fname	lname
character varying (50)	character varying (50)
1 Alice	Brown

Query 3 : To list employees working at JFK International airport

The screenshot shows the SQL Developer interface. On the left, the Object Explorer displays the database structure: Servers (2) > PostgreSQLServer > Databases (2) > 202301278 > Schemas (4) > airport_management_system. The main query window shows the following SQL code:

```
11 JOIN FLIGHT F ON FP.Flight_Code = F.Flight_Code
12 WHERE F.Source = 'New York' AND F.Destination = 'Los Angeles';
13
14 -- 3. Find employees working at 'JFK International'
15 SELECT Fname, Lname FROM EMPLOYEE WHERE AP_name = 'JFK International';
16
```

The Data Output tab shows the results of the query:

	fname character varying (50)	lname character varying (50)
1	John	Doe
2	Pratik	Chauhan

Query 4: To list cancelled tickets

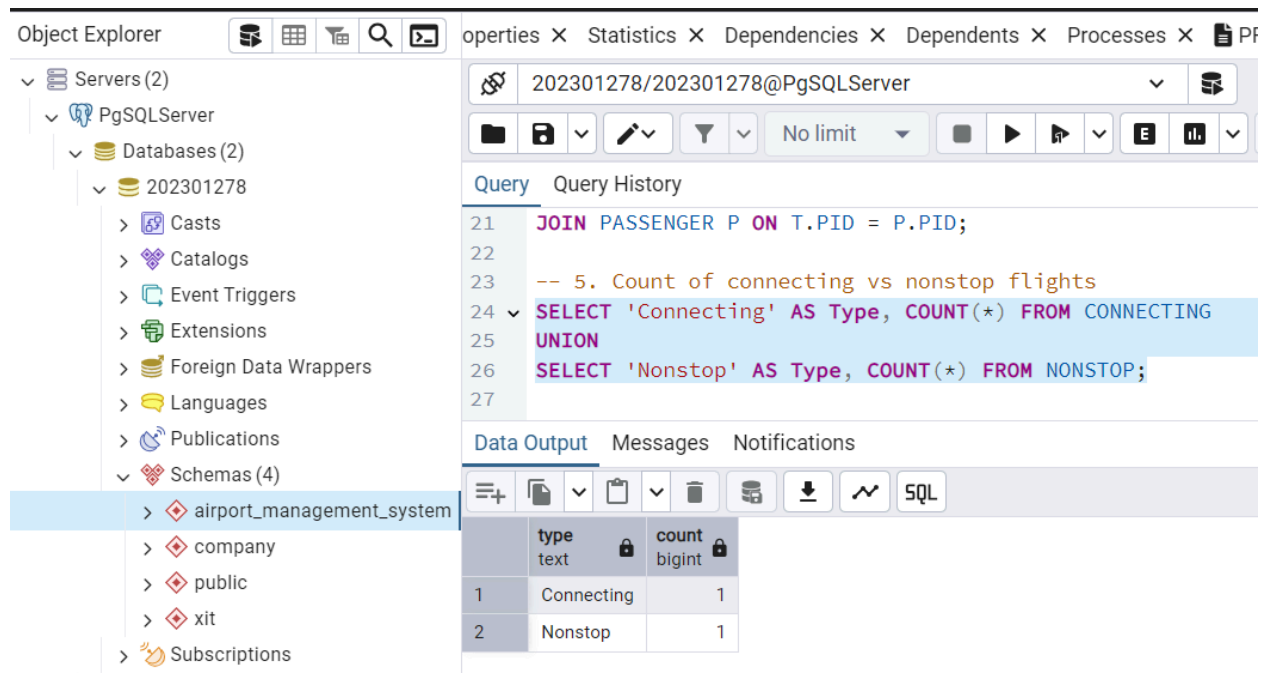
The screenshot shows the SQL Developer interface. On the left, the Object Explorer displays the database structure: Servers (2) > PostgreSQLServer > Databases (2) > 202301278 > Schemas (4) > airport_management_system. The main query window shows the following SQL code:

```
16
17 -- 4. Show all cancelled tickets
18 SELECT T.Ticket_Number, P.Fname, P.Lname
19 FROM CANCELLATION C
20 JOIN TICKET T ON C.Ticket_Number = T.Ticket_Number
21 JOIN PASSENGER P ON T.PID = P.PID;
22
```

The Data Output tab shows the results of the query:

	ticket_number integer	fname character varying (50)	lname character varying (50)
1	302	Bob	White

Query 5: Count of connecting flights and non-stop flights



The screenshot shows a PostgreSQL IDE interface. On the left, the 'Object Explorer' pane displays the database structure: Servers (2) > PostgreSQLServer > Databases (2) > 202301278 > Schemas (4) > airport_management_system. The main query editor shows the following SQL code:

```
21 JOIN PASSENGER P ON T.PID = P.PID;
22
23 -- 5. Count of connecting vs nonstop flights
24 SELECT 'Connecting' AS Type, COUNT(*) FROM CONNECTING
25 UNION
26 SELECT 'Nonstop' AS Type, COUNT(*) FROM NONSTOP;
27
```

Below the query editor, the 'Data Output' pane displays the results of the query in a table:

	type	count
1	Connecting	1
2	Nonstop	1

We have successfully executed queries that cover all the database concepts we've learned, demonstrating that our model is functioning well. However, if you'd like to run additional queries, you are welcome to do so.

Thank you for looking at our project.