1)

```sql
SELECT UPPER(airline_name) AS airline_name_upper
FROM airline;
```

Data Output    Messages    Notifications

| | airline_name_upper 🔒<br>text |
|---|---|
| 1 | IPC |
| 2 | PDN |
| 3 | KLE |
| 4 | KHS |
| 5 | YLQ |
| 6 | NGL |
| 7 | 0 |
| 8 | QIG |
| 9 | NQX |
| 10 | SOZ |
| 11 | IVA |

Showing rows: 1 to 50    Page No: 1

Total rows: 50    Query complete 00:00:00.113

2)

```sql
SELECT REPLACE(airline_name, 'Air', 'Aero') AS modified_name
FROM airline;
```

Query | Query History

Data Output | Messages | Notifications

Showing rows: 1 to 50

| | modified_name text |
|---|---|
| 1 | IPC |
| 2 | PDN |
| 3 | KLE |
| 4 | KHS |
| 5 | YLQ |
| 6 | NGL |
| 7 | 0 |
| 8 | QIG |
| 9 | NQX |
| 10 | SOZ |
| 11 | IVA |

Total rows: 50    Query complete 00:00:00.116

**3)**

```sql
1  SELECT flight_no
2  FROM flights
3  WHERE airline_id IN (1, 2)
4  GROUP BY flight_no
5  HAVING COUNT(DISTINCT airline_id) = 2;
6
7
```

Data Output    Messages    Notifications

| flight_no
character varying (50) 🔒 |
| --- |

✓ Successfully run. Total query runtime: 140 msec. 0 rows

Total rows: 0    Query complete 00:00:00.140      CRL

**4)**

Query    Query History

```sql
1  SELECT *
2  FROM airport
3  WHERE airport_name ILIKE '%Regional%' AND airport_name ILIKE '%Air%';
4
```

Data Output    Messages    Notifications

| airport_id
[PK] integer | airport_name
character varying (50) | country
character varying (50) | state
character varying (50) | city
character varying (50) | created_at
date | update_at
date |
| --- | --- | --- | --- | --- | --- | --- |

5)

```sql
1  SELECT first_name || ' ' || last_name AS full_name,
2         TO_CHAR(date_of_birth, 'Month DD, YYYY') AS formatted_birthdate
3  FROM passengers;
4
```

Data Output   Messages   Notifications

Showing rows: 1 to 200    Page No: 1

| | full_name text | formatted_birthdate text |
|---|---|---|
| 1 | Hilde Irnis | January  03, 2000 |
| 2 | Arvy Sparsholt | June    09, 1974 |
| 3 | Reinald Pococke | June    07, 1982 |
| 4 | Con Borrel | October  17, 1986 |
| 5 | Wayne Bangs | April    22, 1996 |
| 6 | Tildy Shackleford | April    15, 2004 |
| 7 | Byrle Oram | July    07, 1985 |
| 8 | Howard Igo | March    29, 1984 |
| 9 | Alphonso Philippou | August    30, 1975 |
| 10 | Fairfax Needham | July    08, 1981 |
| 11 | Vanda Prime | May    17 1977 |

Total rows: 200   Query complete 00:00:00.143

6)

```sql
1  SELECT flight_no, scheduled_arrival, actual_arrival
2  FROM flights
3  WHERE actual_arrival > scheduled_arrival;
4
```

Query | Query History

Data Output | Messages | Notifications

Showing rows: 1 to 5

| | flight_no character varying (50) | scheduled_arrival date | actual_arrival date |
|---|---|---|---|
| 1 | US-CT | 2023-09-08 | 2023-11-07 |
| 2 | US-NM | 2023-09-17 | 2024-01-23 |
| 3 | RU-KR | 2023-03-18 | 2023-04-07 |
| 4 | US-AZ | 2023-04-08 | 2023-08-01 |
| 5 | IN-OR | 2023-09-19 | 2023-12-03 |
| 6 | CA-NL | 2023-06-04 | 2023-11-17 |
| 7 | BR-PE | 2023-06-02 | 2023-11-09 |
| 8 | TH-32 | 2023-03-30 | 2023-07-21 |
| 9 | US-MS | 2024-01-22 | 2024-03-06 |
| 10 | GB-ENG | 2023-10-11 | 2024-01-04 |
| 11 | UZ-SU | 2023-05-24 | 2023-12-23 |

✓ Successfully ru

Total rows: 509    Query complete 00:00:00.141

7)

```sql
SELECT first_name || ' ' || last_name AS full_name,
       DATE_PART('year', AGE(date_of_birth)) AS age,
       CASE
         WHEN DATE_PART('year', AGE(date_of_birth)) BETWEEN 18 AND 35 THEN 'Young'
         WHEN DATE_PART('year', AGE(date_of_birth)) BETWEEN 36 AND 55 THEN 'Adult'
           ELSE 'Other'
       END AS age_group
FROM passengers;
```

Data Output | Messages | Notifications

Showing rows: 1 to 200

| | full_name text | age double precision | age_group text |
|---|---|---|---|
| 1 | Hilde Irnis | 25 | Young |
| 2 | Arvy Sparsholt | 51 | Adult |
| 3 | Reinald Pococke | 43 | Adult |
| 4 | Con Borrel | 38 | Adult |
| 5 | Wayne Bangs | 29 | Young |
| 6 | Tildy Shackleford | 21 | Young |
| 7 | Byrle Oram | 40 | Adult |
| 8 | Howard Igo | 41 | Adult |
| 9 | Alphonso Philippou | 50 | Adult |
| 10 | Fairfax Needham | 44 | Adult |
| 11 | Vanda Prime | 48 | Adult |

✓ Successfully run. Total q

Total rows: 200    Query complete 00:00:00.144

8)

```sql
1   SELECT booking_id, price,
2          CASE
3             WHEN price < 200 THEN 'Cheap'
4             WHEN price BETWEEN 200 AND 500 THEN 'Medium'
5             ELSE 'Expensive'
6          END AS price_category
7   FROM booking;
8
```
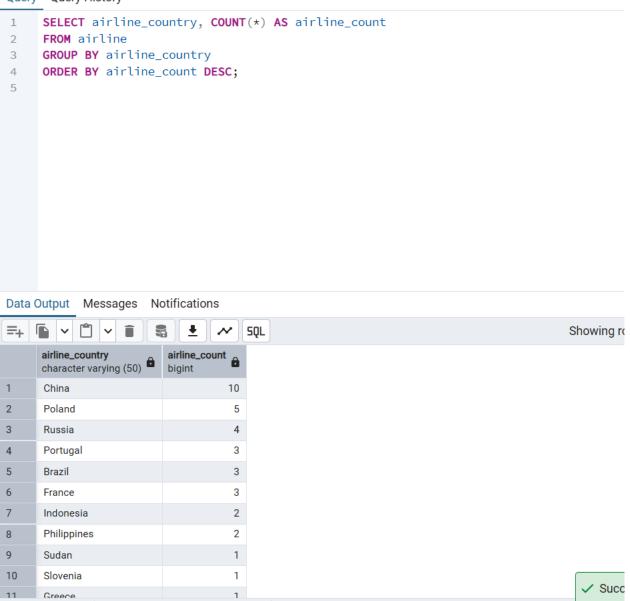
Data Output    Messages    Notifications

Showing rows:

| | booking_id [PK] integer | price numeric (7,2) | price_category text |
|---|---|---|---|
| 1 | 1 | 7462.13 | Expensive |
| 2 | 2 | 4216.60 | Expensive |
| 3 | 3 | 5782.37 | Expensive |
| 4 | 4 | 102.96 | Cheap |
| 5 | 5 | 6711.04 | Expensive |
| 6 | 6 | 7813.55 | Expensive |
| 7 | 7 | 1346.71 | Expensive |
| 8 | 8 | 5711.67 | Expensive |
| 9 | 9 | 7015.82 | Expensive |
| 10 | 10 | 1668.38 | Expensive |
| 11 | 11 | 3342.95 | Expensive |

Total rows: 500    Query complete 00:00:00.159

9)

```sql
1    SELECT airline_country, COUNT(*) AS airline_count
2    FROM airline
3    GROUP BY airline_country
4    ORDER BY airline_count DESC;
5
```

Data Output    Messages    Notifications

Showing r

| | airline_country character varying (50) | airline_count bigint |
|---|---|---|
| 1 | China | 10 |
| 2 | Poland | 5 |
| 3 | Russia | 4 |
| 4 | Portugal | 3 |
| 5 | Brazil | 3 |
| 6 | France | 3 |
| 7 | Indonesia | 2 |
| 8 | Philippines | 2 |
| 9 | Sudan | 1 |
| 10 | Slovenia | 1 |
| 11 | Greece | 1 |

✓ Succ

Total rows: 26    Query complete 00:00:00.125

10)

```
1  SELECT flight_no, scheduled_arrival, actual_arrival
2  FROM flights
3  WHERE actual_arrival > scheduled_arrival;
4
```

Data Output   Messages   Notifications

Showing rov

| | flight_no<br>character varying (50) | scheduled_arrival<br>date | actual_arrival<br>date |
|---|---|---|---|
| 1 | US-CT | 2023-09-08 | 2023-11-07 |
| 2 | US-NM | 2023-09-17 | 2024-01-23 |
| 3 | RU-KR | 2023-03-18 | 2023-04-07 |
| 4 | US-AZ | 2023-04-08 | 2023-08-01 |
| 5 | IN-OR | 2023-09-19 | 2023-12-03 |
| 6 | CA-NL | 2023-06-04 | 2023-11-17 |
| 7 | BR-PE | 2023-06-02 | 2023-11-09 |
| 8 | TH-32 | 2023-03-30 | 2023-07-21 |
| 9 | US-MS | 2024-01-22 | 2024-03-06 |
| 10 | GB-ENG | 2023-10-11 | 2024-01-04 |
| 11 | UZ-SU | 2023-05-24 | 2023-12-23 |

✓ Succe

Total rows: 509    Query complete 00:00:00.129