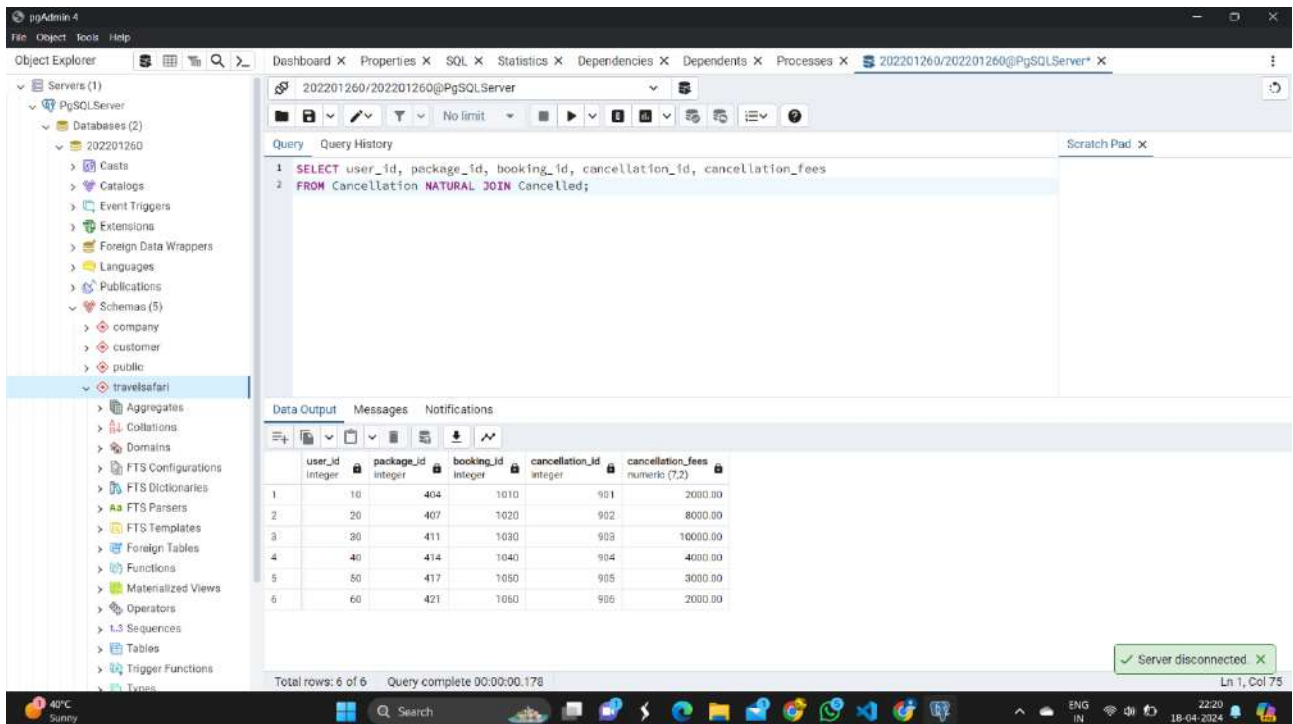


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Outputs of the queries:

1.

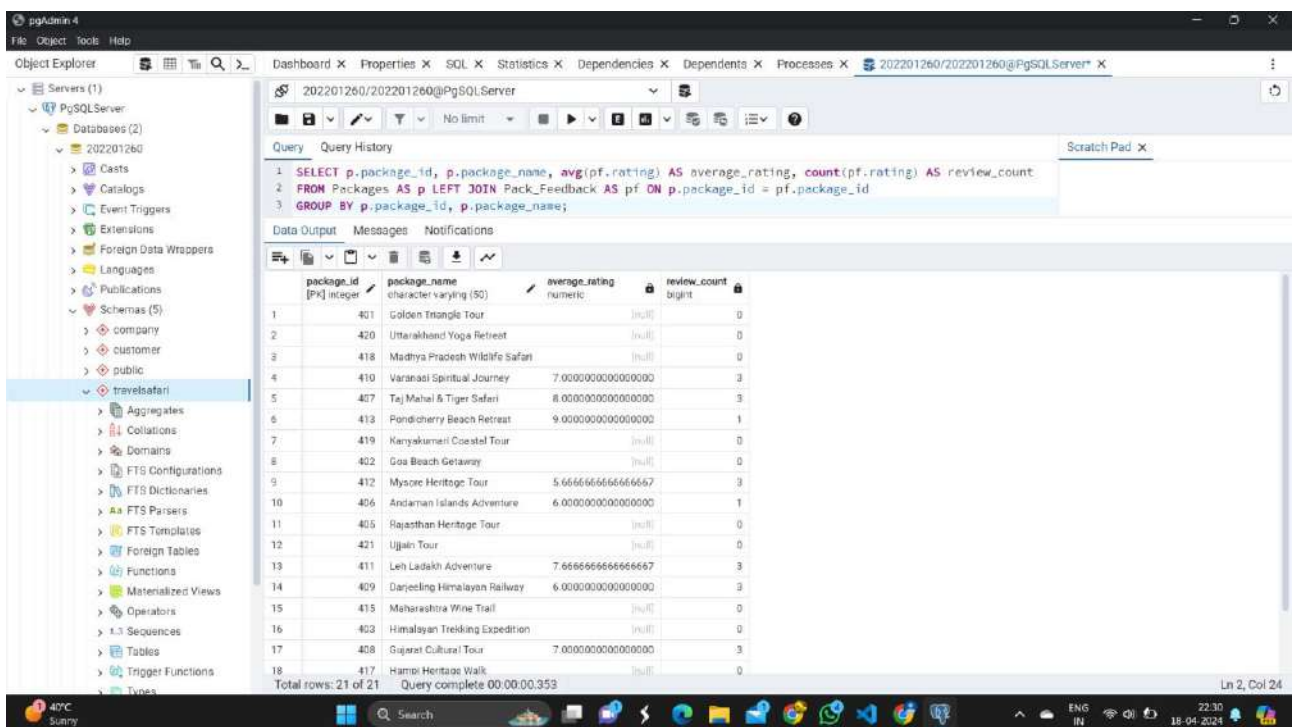


The screenshot shows the pgAdmin 4 interface. The left pane displays the database structure, including the 'travelsafari' schema. The central pane shows a SQL query: `SELECT user_id, package_id, booking_id, cancellation_id, cancellation_fees FROM Cancellation NATURAL JOIN Cancelled;`. The bottom pane displays the query results in a table format.

	user_id integer	package_id integer	booking_id integer	cancellation_id integer	cancellation_fees numeric(7,2)
1	10	404	1010	901	2000.00
2	20	407	1020	902	8000.00
3	30	411	1030	903	10000.00
4	40	414	1040	904	4000.00
5	50	417	1050	905	3000.00
6	60	421	1060	906	2000.00

Total rows: 6 of 6 Query complete 00:00:00.176 Ln 1, Col 75

2.



The screenshot shows the pgAdmin 4 interface. The left pane displays the database structure, including the 'travelsafari' schema. The central pane shows a SQL query: `SELECT p.package_id, p.package_name, avg(pf.rating) AS average_rating, count(pf.rating) AS review_count FROM Packages AS p LEFT JOIN Pack_Feedback AS pf ON p.package_id = pf.package_id GROUP BY p.package_id, p.package_name;`. The bottom pane displays the query results in a table format.

	package_id [PK] integer	package_name character varying (50)	average_rating numeric	review_count bigint
1	401	Golden Triangle Tour	null	0
2	420	Uttarakhand Yoga Retreat	null	0
3	418	Madhya Pradesh Wildlife Safari	null	0
4	410	Varanasi Spiritual Journey	7.0000000000000000	3
5	407	Taj Mahal & Tiger Safari	8.0000000000000000	1
6	413	Pondicherry Beach Retreat	9.0000000000000000	3
7	419	Kanyakumari Coastal Tour	null	0
8	402	Goa Beach Getaway	null	0
9	412	Mysore Heritage Tour	5.6666666666666667	3
10	406	Andaman Islands Adventure	6.0000000000000000	1
11	405	Rajasthan Heritage Tour	null	0
12	421	Ujjain Tour	null	0
13	411	Leh Ladakh Adventure	7.6666666666666667	3
14	409	Darjeeling Himalayan Railway	6.0000000000000000	3
15	415	Maharashtra Wine Trail	null	0
16	403	Himalayan Trekking Expedition	null	0
17	408	Gujarat Cultural Tour	7.0000000000000000	3
18	417	Hampi Heritage Walk	null	0

Total rows: 21 of 21 Query complete 00:00:00.353 Ln 2, Col 24

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3.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'travelsafari' schema selected. The main pane shows a SQL query and its results.

Query:

```
1 SELECT avg(salary) AS average_salary
2 FROM Guide WHERE yrs_of_experience >= 6;
```

Data Output:

average_salary
60846.153846153846

Total rows: 1 of 1 Query complete 00:00:00.203

4.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'travelsafari' schema selected. The main pane shows a SQL query and its results.

Query:

```
1 SELECT p.package_id, p.package_name, count(pb.booking_id) AS total_bookings, avg(pf.rating) AS average_rating
2 FROM ((Packages AS p LEFT JOIN Package_Booking AS pb ON p.package_id = pb.package_id)
3 LEFT JOIN Pack_Feedback AS pf ON pb.user_id = pf.user_id AND pb.package_id = pf.package_id AND pb.booking_id = pf.booking_id)
4 GROUP BY p.package_id, p.package_name;
```

Data Output:

package_id	package_name	total_bookings	average_rating
401	Golden Triangle Tour	2	[null]
420	Uttarakhand Yoga Retreat	3	[null]
418	Madhya Pradesh Wildlife Safari	3	[null]
410	Varanasi Spiritual Journey	3	7.0000000000000000
407	Taj Mahal & Tiger Safari	3	8.0000000000000000
413	Pondicherry Beach Retreat	3	9.0000000000000000
419	Kanyakumari Coastal Tour	3	[null]
402	Goa Beach Getaway	3	[null]
412	Mysore Heritage Tour	3	5.6666666666666667
406	Andaman Islands Adventure	3	6.0000000000000000
405	Rajasthan Heritage Tour	3	[null]
421	Ujjain Tour	1	[null]
411	Leh Ladakh Adventure	3	7.5555555555555556
409	Darjeeling Himalayan Railway	3	6.0000000000000000
415	Maharashtra Wine Trail	3	[null]
403	Himalayan Trekking Expedition	3	[null]

Total rows: 21 of 21 Query complete 00:00:00.294

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5.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'travelsafari' schema selected. The main pane shows a SQL query and its results.

Query:

```
1 SELECT p.package_id, p.package_name, count(pb.booking_id) AS total_bookings
2 FROM Packages AS p NATURAL JOIN Package_Booking AS pb
3 GROUP BY p.package_id, p.package_name
4 ORDER BY total_bookings DESC LIMIT 3;
```

Data Output:

package_id (PK) integer	package_name character varying (50)	total_bookings bigint
1	420 Uttarakhand Yoga Retreat	3
2	418 Madhya Pradesh Wildlife Safari	3
3	410 Varanasi Spiritual Journey	3

Total rows: 3 of 3 Query complete 00:00:00.309 Ln 4, Col 38

6.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'travelsafari' schema selected. The main pane shows a SQL query and its results.

Query:

```
1 SELECT u.user_id, u.username, pb.package_id, pb.booking_id
2 FROM User_ AS u NATURAL JOIN Package_Booking AS pb
3 WHERE pb.booking_id NOT IN (SELECT DISTINCT booking_id FROM Pack_Feedback);
```

Data Output:

user_id integer	username character varying (40)	package_id integer	booking_id integer
1	Aarav Patel	401	1001
2	Aanya Patel	401	1002
3	Admi Patel	402	1003
4	Advik Patel	402	1004
5	Ahana Patel	402	1005
6	Alsha Patel	403	1006
7	Aarushi Patel	403	1007
8	Amit Patel	403	1008
9	Ananya Patel	404	1009
10	Arjun Patel	404	1010
11	Arun Patel	404	1011
12	Avril Patel	405	1012
13	Ayush Patel	405	1013
14	Bhavya Patel	405	1014
15	Chetan Patel	406	1015
16	Deepak Patel	406	1016
17	Pooja Patel	413	1037
18	Omara Patel	413	1038

Total rows: 40 of 40 Query complete 00:00:00.156 Ln 3, Col 76

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7.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'payment_done' table selected. The main pane shows a SQL query:

```
1 SELECT id.payment_method, count(*) AS num_bookings
2 FROM Payment_done AS pd NATURAL JOIN invoice_details AS id
3 GROUP BY id.payment_method
4 ORDER BY num_bookings DESC LIMIT 2;
```

The 'Data Output' tab shows the results of the query:

	payment_method character varying (20)	num_bookings bigint
1	Cash	37
2	Card	17

The status bar at the bottom indicates 'Total rows: 2 of 2' and 'Query complete 00:00:00.359'.

8.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'payment_done' table selected. The main pane shows a SQL query:

```
1 SELECT u.user_id, u.username
2 FROM User_ AS u NATURAL JOIN Commission_earned_guide AS ceg
3 WHERE chosen_by='Client';
```

The 'Data Output' tab shows the results of the query:

user_id (PK) integer	username character varying (40)
1	Aanya Patel
2	Advik Patel
3	Ahane Patel
4	Amit Patel
5	Chetan Patel
6	Deepak Patel
7	Divya Patel
8	Kabir Patel
9	Kavya Patel
10	Krish Patel
11	Manisha Patel
12	Nisha Patel
13	Pooja Patel
14	Priya Patel
15	Rohan Patel
16	Sahil Patel
17	Tara Patel

The status bar at the bottom indicates 'Total rows: 17 of 17' and 'Query complete 00:00:00.372'.

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9.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'Columns (8)' view selected for the 'payment_done' table. The main pane shows a SQL query:

```
1 SELECT DISTINCT u.user_id, u.username
2 FROM User_ AS u NATURAL JOIN Discount_offer AS d_o;
```

The 'Data Output' tab shows the results of the query:

	user_id (PK) integer	username character varying (40)
1	30	Maya Patel
2	4	Achik Patel
3	17	Dev Patel
4	58	Tara Patel
5	15	Chetan Patel
6	13	Ayush Patel
7	51	Siddharth Patel
8	53	Sneha Patel
9	38	Pranav Patel
10	35	Nisha Patel
11	1	Aarav Patel
12	14	Bhavya Patel
13	31	Mira Patel
14	46	Sakshi Patel
15	59	Udit Patel
16	16	Deepak Patel
17	18	Divya Patel
18	3	Aditi Patel

Total rows: 30 of 30 Query complete 00:00:00.390 Ln 2, Col 52

10.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'Columns (8)' view selected for the 'payment_done' table. The main pane shows a SQL query:

```
1 SELECT u.gender, avg(g.salary) AS avg_salary
2 FROM Guide AS g NATURAL JOIN User_ AS u
3 GROUP BY gender;
```

The 'Data Output' tab shows the results of the query:

	gender character varying (5)	avg_salary numeric
1	Female	55400.000000000000
2	Male	55400.000000000000

Total rows: 2 of 2 Query complete 00:00:00.213 Ln 3, Col 17

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11.

The screenshot shows the pgAdmin 4 interface with a SQL query executed. The query calculates the average rating for each package based on user feedback. The results are displayed in a table with 15 rows.

```
SELECT p.package_id, p.package_name, p.description, count(pb.booking_id) AS total_bookings, avg(pf.rating) AS average_rating
FROM ((Packages AS p LEFT JOIN Package_Booking AS pb ON p.package_id = pb.package_id)
LEFT JOIN Pack_Feedback pf ON pb.user_id = pf.user_id AND pb.package_id = pf.package_id)
GROUP BY p.package_id, p.package_name, p.description
ORDER BY average_rating DESC;
```

package_id	package_name	description
414	Assam Tea Plantation Tour	Discover the tea plantations of Assam and experience tea tasting sessions
420	Uttarakhand Yoga Retreat	Relax and rejuvenate with yoga and meditation sessions in the serene Himalayas
418	Madhya Pradesh Wildlife Safari	Go on thrilling wildlife safaris in the national parks of Madhya Pradesh
405	Rajasthan Heritage Tour	Discover the rich cultural heritage of Rajasthan through its majestic forts and palaces
421	Ujjain Tour	Ujjain, Madhya Pradesh: Historic & spiritual city, home to Mahakaleshwar Temple, rich in culture, tradition, and architectural marvels. Relax and rejuvenate with
415	Maharashtra Wine Trail	Explore the vineyards of Nashik and indulge in wine tasting experiences
403	Himalayan Trekking Expedition	Embark on an adventurous trekking journey in the majestic Himalayas
404	Kerala Backwaters Cruise	Experience the serene backwaters of Kerala aboard a traditional houseboat
417	Hampi Heritage Walk	Explore the ancient ruins and temples of Hampi, a UNESCO World Heritage Site
416	Kolkata Culinary Tour	Savor the delicious street food and traditional Bengali cuisine of Kolkata
401	Golden Triangle Tour	Explore the iconic cities of Delhi, Agra, and Jaipur
419	Kanyakumari Coastal Tour	Witness the stunning sunrise and sunset views at the southernmost tip of India
402	Goa Beach Getaway	Relax on the pristine beaches of Goa and enjoy water sports activities
413	Pondicherry Beach Retreat	Relax on the pristine beaches of Pondicherry and explore its French colonial architecture
407	Taj Mahal & Tiger Safari	Visit the iconic Taj Mahal and go on thrilling tiger safaris in Ranthambore National Park

12.

The screenshot shows the pgAdmin 4 interface with a SQL query executed. The query filters users based on their average guide salary. The results are displayed in a table with 13 rows.

```
SELECT u.user_id, u.username, avg(g.salary) AS average_guide_salary
FROM (((User_ AS u NATURAL JOIN LoggedInUser AS lu)
NATURAL JOIN Package_Booking AS pb)
NATURAL JOIN Guide_Feedback AS gf)
NATURAL JOIN Guide AS g)
WHERE lu.premium = 'Yes'
GROUP BY u.user_id, u.username
HAVING avg(g.salary) > (SELECT avg(salary) FROM Guide);
```

user_id	username	average_guide_salary
26	Kavya Patel	56000.000000000000
12	Arvi Patel	60000.000000000000
27	Krish Patel	56000.000000000000
56	Tamsha Patel	68000.000000000000
58	Tara Patel	69000.000000000000
39	Priya Patel	61000.000000000000
57	Tanya Patel	69000.000000000000
42	Rajesh Patel	62000.000000000000
51	Siddharth Patel	66000.000000000000
41	Raj Patel	61000.000000000000
46	Sakshi Patel	64000.000000000000
53	Shreya Patel	67000.000000000000
33	Neha Patel	58000.000000000000

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13.

The screenshot shows the pgAdmin 4 interface. The left pane displays the 'Object Explorer' with the 'travelsafari' database selected. The main pane shows a SQL query in the 'Query' tab:

```
1 SELECT p.package_id, p.package_name, count(pb.booking_id) AS total_bookings, sum(p.price) AS total_revenue
2 FROM Packages AS p LEFT JOIN Package_Booking AS pb ON p.package_id = pb.package_id
3 GROUP BY p.package_id, p.package_name;
```

The 'Data Output' tab shows the results of the query:

package_id	package_name	total_bookings	total_revenue
1	Golden Triangle Tour	2	30000.00
2	Uttarakhand Yoga Retreat	3	72000.00
3	Madhya Pradesh Wildlife Safari	3	69000.00
4	Varanasi Spiritual Journey	3	51000.00
5	Taj Mahal & Tiger Safari	3	69000.00
6	Pondicherry Beach Retreat	3	57000.00
7	Kanyakumari Coastal Tour	3	57000.00
8	Goa Beach Getaway	3	60000.00
9	Mysore Heritage Tour	3	48000.00
10	Andaman Islands Adventure	3	84000.00
11	Rajasthan Heritage Tour	3	66000.00
12	Ujjain Tour	1	12000.00
13	Leh Ladakh Adventure	3	90000.00
14	Darjeeling Himalayan Railway	3	57000.00
15	Maharashtra Wine Trail	3	54000.00
16	Himalayan Trekking Expedition	3	75000.00
17	Gujarat Cultural Tour	3	72000.00
18	Uttarakhand Wildlife Safari	3	51000.00

Total rows: 21 of 21 Query complete 00:00:00.346

14.

The screenshot shows the pgAdmin 4 interface. The left pane displays the 'Object Explorer' with the 'travelsafari' database selected. The main pane shows a SQL query in the 'Query' tab:

```
1 SELECT * FROM Packages
2 WHERE package_id NOT IN (SELECT DISTINCT package_id FROM Package_Booking);
```

The 'Data Output' tab shows the results of the query:

package_id	package_name	departure_dest	arrival_dest	duration	itinerary	price	best_season	age_grp
------------	--------------	----------------	--------------	----------	-----------	-------	-------------	---------

Total rows: 0 of 0 Query complete 00:00:00.406

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15.

The screenshot shows the pgAdmin 4 interface. The left pane displays the 'Object Explorer' with the 'travelsafari' schema selected. The main pane shows a SQL query in the 'Query' tab:

```
1 SELECT lk.language_, count(lk.gurde_id) AS language_count
2 FROM Languages_Known AS lk
3 GROUP BY lk.language_
4 ORDER BY language_count DESC LIMIT 5;
```

The 'Data Output' tab shows the results of the query:

	language_ character varying (15)	language_count bigint
1	Hindi	14
2	English	9
3	Gujarati	8
4	Tamil	5
5	Telugu	5

The status bar at the bottom indicates 'Total rows: 5 of 5' and 'Query complete 00:00:00.256'.

16.

The screenshot shows the pgAdmin 4 interface. The left pane displays the 'Object Explorer' with the 'travelsafari' schema selected. The main pane shows a SQL query in the 'Query' tab:

```
1 SELECT A.name_ FROM Accommodation AS A
2 WHERE A.address_ LIKE '%DeLh%';
```

The 'Data Output' tab shows the results of the query:

	name_ character varying (50)
1	Delhi Grand Hotel
2	Delhi Backpackers Hostel

The status bar at the bottom indicates 'Total rows: 2 of 2' and 'Query complete 00:00:00.116'.

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17.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with 'travelsafari' selected under the 'public' schema. The main pane shows a SQL query executed on the '202201260' database:

```
1 SELECT p.package_name, p.arrival_dest, p.best_season, PF.rating
2 FROM Packages AS p LEFT JOIN Pack_Feedback AS PF ON p.package_id= PF.package_id
3 WHERE p.best_season = 'Winter' AND PF.rating > 7.5;
```

The 'Data Output' tab displays the results in a table with 4 rows and 4 columns:

	package_name	arrival_dest	best_season	rating
1	Taj Mahal & Tiger Safari	Ranthambore	Winter	8
2	Taj Mahal & Tiger Safari	Ranthambore	Winter	9
3	Varanasi Spiritual Journey	Varanasi	Winter	8
4	Pondicherry Beach Retreat	Pondicherry	Winter	9

The status bar at the bottom indicates 'Total rows: 4 of 4' and 'Query complete 00:00:00.076'.

18.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with 'travelsafari' selected under the 'public' schema. The main pane shows a SQL query executed on the '202201260' database:

```
1 SELECT * FROM Packages
2 WHERE price BETWEEN 15000 AND 25000;
```

The 'Data Output' tab displays the results in a table with 7 columns and 18 rows:

	package_id [PK]	package_name	departure_dest	arrival_dest	duration	Itinerary
1	401	Golden Triangle Tour	Delhi	Jaipur	5 Days	1:Explore Delhi,2:Visit Agra,3:Discover Jaipur
2	402	Goa Beach Getaway	Mumbai	Goa	4 Days	1:Travel to Goa,2:Relax on beaches,4:Departure
3	403	Himalayan Trekking Expedition	Delhi	Manali	7 Days	1:Departure from Delhi,2:Trekking in the Himalayas,7:Return to Delhi
4	404	Kerala Backwaters Cruise	Kochi	Alleppey	3 Days	1:Board houseboat in Kochi,2:Cruise in backwaters,3:Return to Kochi
5	405	Rajasthan Heritage Tour	Jaipur	Udaipur	6 Days	1:Arrival in Jaipur,2-5:Explore forts and palaces,6:Departure from Udaipur
6	407	Taj Mahal & Tiger Safari	Delhi	Ranthambore	5 Days	1:Travel to Agra,2:Visit Taj Mahal,3-4:Tiger safaris in Ranthambore,5:Return to Delhi
7	408	Gujarat Cultural Tour	Ahmedabad	Dwarka	7 Days	1:Arrival in Ahmedabad,2-6:Explore temples and museums in Gujarat,7:Departure
8	409	Darjeeling Himalayan Railway	Kolkata	Darjeeling	4 Days	1:Travel to Darjeeling,2-3:Explore tea gardens,4:Darjeeling Himalayan Railway
9	410	Varanasi Spiritual Journey	Delhi	Varanasi	3 Days	1:Arrival in Varanasi,2:Visit ghats and temples,3:Departure from Varanasi
10	412	Mysore Heritage Tour	Bangalore	Mysore	2 Days	1:Arrival in Mysore,2:Explore palaces and gardens,Departure from Bangalore
11	413	Pondicherry Beach Retreat	Chennai	Pondicherry	4 Days	1:Travel to Pondicherry,2-3:Relax on beaches,4:Explore French architecture
12	414	Assam Tea Plantation Tour	Guwahati	Jorhat	6 Days	1:Arrival in Guwahati,2-5:Discover tea plantations,6:Departure from Jorhat
13	415	Maharashtra Wine Trail	Mumbai	Nashik	2 Days	1:Travel to Nashik,2:Explore vineyards,3:Wine tasting,Departure from Mumbai
14	416	Kolkata Culinary Tour	Kolkata	Kolkata	4 Days	1:Arrival in Kolkata,2-3:Food tours,4:Departure from Kolkata
15	417	Hampi Heritage Walk	Bangalore	Hampi	3 Days	1:Travel to Hampi,2:Explore ruins and temples,3:Departure from Bangalore
16	418	Madhya Pradesh Wildlife Safari	Bhopal	Bandhavgarh	5 Days	1:Arrival in Bhopal,2-4:Wildlife safaris,5:Departure from Bandhavgarh
17	419	Kanyakumari Coastal Tour	Chennai	Kanyakumari	4 Days	1:Travel to Kanyakumari,2-3:Witness sunrise/sunset,4:Departure from Chennai
18	420	Himalayan Yoga Retreat	Delhi	Rishikesh	7 Days	1:Arrival in Rishikesh,2-6:Yoga and meditation sessions,7:Departure from Delhi

The status bar at the bottom indicates 'Total rows: 18 of 18' and 'Query complete 00:00:00.138'.

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19.

The screenshot shows the pgAdmin 4 interface. The left pane displays the database structure, including the 'travelsafari' schema. The main pane shows a SQL query and its results.

```
1 SELECT preference_level, count(*) AS total_bookings
2 FROM ((Preferences AS p NATURAL JOIN Preference_details AS pd)
3      NATURAL JOIN Package_Booking AS pb)
4 GROUP BY preference_level;
```

preference_level	total_bookings
1 Highly Preferred	6
2 Considerable	5
3 Minor	5
4 Medium	3
5 Very High	9
6 High	4
7 Moderate	10
8 Low	7
9 Extreme	1

Total rows: 9 of 9 Query complete 00:00:00.173

20.

The screenshot shows the pgAdmin 4 interface. The left pane displays the database structure, including the 'travelsafari' schema. The main pane shows a SQL query and its results.

```
1 SELECT p.package_name, po.+
2 FROM ((Packages AS p NATURAL JOIN Pack_Feedback AS PF)
3      NATURAL JOIN Discount_offer AS po)
4 WHERE PF.rating>=5 AND p.departure_dest='Delhi' AND p.arrival_dest='Ranthambore';
```

package_name	user_id	package_id	booking_id	promotion_id	offered_discount
Taj Mahal & Tiger Safari	18	407	1018	PROM06	750.00

Total rows: 1 of 1 Query complete 00:00:00.218

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21.

The screenshot shows the pgAdmin 4 interface with a PostgreSQL database named '202201260'. The 'Query' tab is active, displaying the following SQL query:

```
1 SELECT interest_details AS destination, count(*) AS preference_count
2 FROM Preferences AS p NATURAL JOIN Preference_details AS pd
3 WHERE pd.interest_category = 'Food'
4 GROUP BY destination
5 ORDER BY preference_count DESC LIMIT 5;
```

The 'Data Output' tab shows the results of the query:

destination	preference_count
Exploring street food, culinary tours, learning to cook traditional dish..	2
Cooking classes, food tours, culinary workshops	1
Fine dining, gourmet cuisine, international cuisine exploration	1

A WhatsApp notification is visible in the bottom right corner, stating: "DBMS Project Group Reunion DA-ICT Shrivastava: Provide all transport options For Delhi to Marali having luxury class in it: SELECT * FROM Transportation WHERE di".

22.

The screenshot shows the pgAdmin 4 interface with a PostgreSQL database named '202201260'. The 'Query' tab is active, displaying the following SQL query:

```
1 SELECT count(*) AS total_bookings, pd.interest_details AS transportation_type
2 FROM ((Preferences AS p NATURAL JOIN Preference_details AS pd)
3 NATURAL JOIN Package_Booking AS pb)
4 WHERE pd.interest_category = 'Adventure'
5 GROUP BY transportation_type;
```

The 'Data Output' tab shows the results of the query:

total_bookings	transportation_type
1	Mountain climbing, hiking, camping
2	Trekking, mountain biking, exploring remote locations
3	White water rafting, skydiving, bungee jumping

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23.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the 'Object Explorer' with a tree view of the database structure. The 'Servers' section is expanded, showing 'PgSQLServer' and its 'Databases' (2). The '202201260' database is selected, showing its 'Schemas' (5): 'company', 'customer', 'public', 'travelsafari', and 'xit'. The 'travelsafari' schema is highlighted. The main pane shows the 'Query' editor with the following SQL query:

```
1 SELECT user_id, package_id, booking_id, transaction_id, outstanding
2 FROM Invoice_details NATURAL JOIN Payment_Done
3 WHERE EXTRACT(MONTH FROM inv_date) = '12' AND outstanding <> 0;
```

The 'Data Output' tab shows the results of the query:

	user_id integer	package_id integer	booking_id integer	transaction_id integer	outstanding numeric (7,2)
1	4	402	1004	10004	4896.00
2	11	404	1011	10011	1234.00

The status bar at the bottom indicates 'Total rows: 2 of 2' and 'Query complete 00:00:00.073'.

24.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the 'Object Explorer' with a tree view of the database structure. The 'Servers' section is expanded, showing 'PgSQLServer' and its 'Databases' (2). The '202201260' database is selected, showing its 'Schemas' (5): 'company', 'customer', 'public', 'travelsafari', and 'xit'. The 'travelsafari' schema is highlighted. The main pane shows the 'Query' editor with the following SQL query:

```
1 SELECT * FROM Accommodation WHERE amenities LIKE '%Board Games%';
```

The 'Data Output' tab shows the results of the query:

	accom_id [PK] integer	type character varying (15)	name_ character varying (50)	address_ character varying (100)	contact_no character varying (10)	pincode character varying (6)	room_type character varying (20)	room_price numeric (7,2)	room_cap integer
1	10004	zostel	Mumbai Wanderers Zostel	101 Hill Road, Mumbai	9876543213	400002	connecting room	2500.00	

The status bar at the bottom indicates 'Total rows: 1 of 1' and 'Query complete 00:00:00.128'.

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25.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'travelsafari' schema selected. The main pane shows a query window with the following SQL:

```
1 SELECT * FROM Transportation
2 WHERE depart_location = 'Delhi' AND dest_location = 'Manali' AND classtype = 'Luxury';
```

The 'Data Output' tab shows the results of the query:

trans_id	type	carrier_company	classtype	available_seats	price	depart_location	dest_location	route
503	Bus	Private Operator	Luxury	30	2000.00	Delhi	Manali	NH1

The status bar at the bottom indicates 'Total rows: 1 of 1' and 'Query complete 00:00:00.169'.

26.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'travelsafari' schema selected. The main pane shows a query window with the following SQL:

```
1 SELECT package_id, count(paied), best_season
2 FROM ((Packages NATURAL JOIN Invoice_details)
3 NATURAL JOIN Payment_Done)
4 WHERE EXTRACT(YEAR FROM inv_date) = '2023'
5 GROUP BY package_id
6 ORDER BY count(paied) DESC LIMIT 1;
```

The 'Data Output' tab shows the results of the query:

package_id	count	best_season
402	3	Summer

The status bar at the bottom indicates 'Total rows: 1 of 1' and 'Query complete 00:00:00.178'.

Tours & Travels Management

27.

The screenshot shows the pgAdmin 4 interface. The left pane displays the database structure, with the 'travelsafari' schema selected. The main pane shows a SQL query and its results.

Query:

```
1 SELECT u.user_id, u.username, u.email_id
2 FROM User_ AS u NATURAL JOIN
3 (SELECT user_id FROM loggedINUser WHERE user_id NOT IN
4 (SELECT DISTINCT user_id FROM package_booking)) AS r;
```

Data Output:

	user_id [PK] integer	username character varying (40)	email_id character varying (40)
1	61	Utkarsh Patel	Utkarsh@gmail.com
2	62	Vaishnavi Patel	Vaishnavi@gmail.com
3	63	Varun Patel	Varun@gmail.com
4	64	Vikram Patel	Vikram@gmail.com
5	65	Vishal Patel	Vishal@gmail.com
6	66	Yash Patel	Yash@gmail.com
7	67	Yashika Patel	Yashika@gmail.com
8	68	Yuvraj Patel	Yuvraj@gmail.com
9	69	Zara Patel	Zara@gmail.com
10	70	Zoya Patel	Zoya@gmail.com

Total rows: 10 of 10 Query complete 00:00:00.231 Ln 4, Col 56

28.

The screenshot shows the pgAdmin 4 interface. The left pane displays the database structure, with the 'travelsafari' schema selected. The main pane shows a SQL query and its results.

Query:

```
1 SELECT pb.user_id, pb.package_id, pb.booking_id, pd.transaction_id
2 FROM ((package_booking AS pb NATURAL JOIN payment_done AS pd)
3 NATURAL JOIN invoice_details AS i_d)
4 WHERE pd.paid=15000 AND i_d.payment_method='Cash';
```

Data Output:

	user_id integer	package_id integer	booking_id integer	transaction_id integer
1	1	401	1001	10001
2	2	401	1002	10002
3	4	402	1004	10004
4	7	403	1007	10007
5	8	403	1008	10008
6	11	404	1011	10011
7	13	405	1013	10013
8	14	405	1014	10014
9	15	406	1015	10015
10	16	406	1016	10016
11	17	406	1017	10017
12	19	407	1019	10019
13	22	408	1022	10022
14	23	408	1023	10023
15	25	409	1025	10025
16	26	409	1026	10026
17	28	410	1028	10028

Total rows: 37 of 37 Query complete 00:00:00.153 Ln 1, Col 1

Tours & Travels Management

29.

The screenshot shows the pgAdmin 4 interface with a SQL query executed. The query is as follows:

```
1 SELECT DISTINCT r.guide_id, lk.language_, r.rating, r.review
2 FROM languages_known AS lk NATURAL JOIN (SELECT guide_id, rating, review
3 FROM guide_feedback
4 WHERE rating < 7) AS r;
```

The results are displayed in a table with the following columns: guide_id, language_, rating, and review. The data is as follows:

guide_id	language_	rating	review
77	Telugu	5	Wonderful overall, minor improvements in communication would be beneficial...
60	Hindi	5	Informative guide, but pacing felt rushed at times.
60	Urdu	6	Informative guide, but pacing felt rushed at times.
9	Tamil	6	Incredible tour guide, knowledgeable and friendly.
80	English	6	Incredible tour guide, knowledgeable and friendly.
60	Hindi	6	Could benefit from additional cultural insights from the guide.
79	Gujarati	6	Incredible tour guide, knowledgeable and friendly.
80	Hindi	6	Incredible tour guide, knowledgeable and friendly.
60	Hindi	5	Clear communication and seamless organization. Well done!
77	Gujarati	5	Wonderful overall, minor improvements in communication would be beneficial...
60	Bhojpuri	6	Informative guide, but pacing felt rushed at times.
77	Hindi	5	Wonderful overall, minor improvements in communication would be beneficial...
79	Telugu	6	Incredible tour guide, knowledgeable and friendly.
71	Gujarati	6	Incredible tour guide, knowledgeable and friendly.
71	English	6	Incredible tour guide, knowledgeable and friendly.
79	Marathi	6	Incredible tour guide, knowledgeable and friendly.
60	Bhojpuri	6	Could benefit from additional cultural insights from the guide.

Total rows: 23 of 23 Query complete 00:00:00.155

30.

The screenshot shows the pgAdmin 4 interface with a SQL query executed. The query is as follows:

```
1 SELECT cea.agent_id, count(*) AS total_bookings, sum(cea.amount) AS total_commission_earned
2 FROM Commission_earned_agent AS cea
3 GROUP BY cea.agent_id
4 ORDER BY total_commission_earned DESC LIMIT 5;
```

The results are displayed in a table with the following columns: agent_id, total_bookings, and total_commission_earned. The data is as follows:

agent_id	total_bookings	total_commission_earned
71	2	2400.00
97	2	2300.00
99	2	2300.00
91	2	2200.00
64	2	2200.00

Total rows: 5 of 5 Query complete 00:00:00.298

Tours & Travels Management

31.

The screenshot shows the pgAdmin 4 interface with a SQL query executed. The query is a complex join involving accommodation, packages, and transportation details. The results are displayed in a table with 4 columns: package_id, accommodation_name, transportation_company, and transportation_type.

```
1 SELECT p.package_id, a.name AS accommodation_name, t.carrier_company AS transportation_company, t.type AS transportation_type
2 FROM (accommodation AS a NATURAL JOIN Accos_details AS ad
3 JOIN Packages AS p ON p.package_id=ad.package_id)
4 JOIN (Transportation AS t NATURAL JOIN Trans_details AS td) ON td.package_id = p.package_id;
```

package_id	accommodation_name	transportation_company	transportation_type
1	Jaipur Backpackers Hostel	State Transport Corporation	Bus
2	Jaipur Royal Palace Hotel	State Transport Corporation	Bus
3	Delhi Backpackers Hostel	State Transport Corporation	Bus
4	Delhi Grand Hotel	State Transport Corporation	Bus
5	Mumbai Wanderers Zostel	Indian Railways	Train
6	Mumbai Seaside Villa	Indian Railways	Train
7	Goa Meadows Cottages	Indian Railways	Train
8	Goa Paradise Hotel	Indian Railways	Train
9	Manali Green Meadows Cottages	Private Operator	Bus
10	Manali Mountain View Hotel	Private Operator	Bus
11	Delhi Backpackers Hostel	Private Operator	Bus
12	Delhi Grand Hotel	Private Operator	Bus
13	Kochi Serene Villa	Private Boat Operator	Boat
14	Kochi Beachfront Hotel	Private Boat Operator	Boat
15	Udaipur Heritage Hotel	Indian Railways	Train
16	Udaipur Lakeview Villa	Indian Railways	Train

Total rows: 66 of 66 Query complete 00:00:00.312

32.

The screenshot shows the pgAdmin 4 interface with a simple SQL query executed. The query selects the average salary from a table named 'Guide' where specialization is 'Adventure Tourism' and years of experience are greater than or equal to 4. The results are displayed in a table with 1 column: avg_salary.

```
1 SELECT avg(salary) AS avg_salary FROM Guide
2 WHERE specialization='Adventure Tourism' AND yrs_of_experience>=4;
```

avg_salary
42000.000000000000

Total rows: 1 of 1 Query complete 00:00:00.187

Tours & Travels Management

33.

The screenshot shows the pgAdmin 4 interface. The left pane displays the 'Object Explorer' with the 'travelsafari' database selected. The main pane shows a SQL query in the 'Query' tab:

```
1 SELECT p.arrival_dest, count(pb.booking_id) AS total_bookings
2 FROM Packages AS p NATURAL JOIN Package_Booking AS pb
3 WHERE pb.booking_date >= CURRENT_DATE - INTERVAL '6 months'
4 GROUP BY p.arrival_dest
5 ORDER BY total_bookings DESC LIMIT 5;
```

The 'Data Output' tab shows the results of the query:

	arrival_dest character varying (25)	total_bookings bigint
1	Rishikesh	3
2	Kanyakumari	3
3	Bandhavgarh	3
4	Hampi	2
5	Madhya Pradesh	1

The status bar at the bottom indicates 'Total rows: 5 of 5' and 'Query complete 00:00:00.599'.

34.

The screenshot shows the pgAdmin 4 interface. The left pane displays the 'Object Explorer' with the 'travelsafari' database selected. The main pane shows a SQL query in the 'Query' tab:

```
1 SELECT ceg.agent_id, ta.salary, sum(ceg.amount) AS total_commission
2 FROM ((Commission_earned_agent AS ceg NATURAL JOIN Travel_Agent AS ta)
3 NATURAL JOIN LoggedInUser AS lu)
4 WHERE lu.premium='Yes'
5 GROUP BY ceg.agent_id, ta.salary
6 ORDER BY total_commission DESC LIMIT 3;
```

The 'Data Output' tab shows the results of the query:

	agent_id integer	salary numeric (7,2)	total_commission numeric
1	71	71000.00	2400.00
2	54	84000.00	2000.00
3	99	99000.00	1300.00

The status bar at the bottom indicates 'Total rows: 3 of 3' and 'Query complete 00:00:00.398'.

Tours & Travels Management

35.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'travelsafari' schema selected. The main pane shows a SQL query:

```
1 SELECT sum(refund_amount) AS total_refund_amount
2 FROM Package_Booking NATURAL JOIN Cancellation
3 WHERE done_by LIKE 'Agent%';
```

The 'Data Output' tab shows the result of the query:

total_refund_amount
29000.00

The status bar at the bottom indicates 'Total rows: 1 of 1' and 'Query complete 00:00:00.404'.

36.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, with the 'travelsafari' schema selected. The main pane shows a SQL query:

```
1 SELECT user_id, username FROM User_ NATURAL JOIN Agent_Feedback WHERE rating <= 3;
```

The 'Data Output' tab shows the result of the query:

user_id	username
27	Krish Patel
32	Mohit Patel

The status bar at the bottom indicates 'Total rows: 2 of 2' and 'Query complete 00:00:01.218'.

Tours & Travels Management

37.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, including the 'travelsafari' schema. The main pane shows a SQL query in the 'Query' tab:

```
1 SELECT p.package_id, p.package_name, count(ti.member_id) AS total_members, avg(gm.age) AS average_age
2 FROM ((Packages AS p LEFT JOIN Package_Booking AS pb ON p.package_id = pb.package_id)
3 LEFT JOIN Traveller_info AS ti ON pb.user_id = ti.user_id AND pb.package_id = ti.package_id AND pb.booking_id = ti.booking_id)
4 LEFT JOIN Group_members gm ON ti.member_id = gm.member_id
5 GROUP BY p.package_id, p.package_name;
```

The 'Data Output' tab shows the results of the query:

package_id [PK] integer	package_name character varying (50)	total_members bigint	average_age numeric
1	401 Golden Triangle Tour	11	18.09090909090909
2	420 Uttarakhand Yoga Retreat	13	19.923076923076923
3	418 Madhya Pradesh Wildlife Safari	12	18.750000000000000
4	410 Varanasi Spiritual Journey	12	21.833333333333333
5	407 Taj Mahal & Tiger Safari	11	21.545454545454545
6	413 Pondicherry Beach Retreat	12	20.000000000000000
7	419 Kanyakumari Coastal Tour	12	20.166666666666667
8	402 Goa Beach Getaway	19	21.052631578947368
9	412 Mysore Heritage Tour	12	20.750000000000000
10	406 Andaman Islands Adventure	12	21.666666666666667
11	405 Rajasthan Heritage Tour	13	23.846153846153846
12	421 Ujjain Tour	4	10.500000000000000
13	411 Leh Ladakh Adventure	12	18.916666666666667
14	409 Darjeeling Himalayan Railway	12	21.500000000000000
15	415 Maharashtra Wine Trail	12	21.166666666666667

Total rows: 21 of 21 Query complete 00:00:00.684 Ln 5, Col 39

38.

The screenshot shows the pgAdmin 4 interface. The left sidebar displays the database structure, including the 'travelsafari' schema. The main pane shows a SQL query in the 'Query' tab:

```
1 SELECT * FROM Client_Guide_logs
2 WHERE user_id=7;
```

The 'Data Output' tab shows the results of the query:

user_id [PK] integer	guide_id [PK] integer	date_time [PK] timestamp without time zone	type_ character varying (15)	to_whom character varying (6)	subject_ character varying (20)	status_ character varying (15)	content character varying (300)
1	7	2023-09-02 00:00:00	Email	Guide	Regarding places	On process	Hello, I am planning a trip to R
2	7	2023-09-03 00:00:00	Email	Client	Regarding places	Cleared	Hi there! That sounds like an

Total rows: 2 of 2 Query complete 00:00:00.382 Ln 2, Col 6

Tours & Travels Management

39.

The screenshot shows the pgAdmin 4 interface with a SQL query executed. The query is as follows:

```
1 SELECT p.arrival_dest, u.gender, avg(gm.age) AS average_age
2 FROM (((Packages AS p NATURAL JOIN Package_Booking AS pb)
3 NATURAL JOIN Traveller_info AS ti)
4 NATURAL JOIN Group_members AS gm)
5 NATURAL JOIN User_ AS u)
6 GROUP BY p.arrival_dest, u.gender;
```

The results are displayed in a table with the following columns: arrival_dest, gender, and average_age. The table contains 15 rows of data.

arrival_dest	gender	average_age
Leh	Male	19.0000000000000000
Udaipur	Female	17.5000000000000000
Port Blair	Male	22.5666666666666667
Madhya Pradesh	Male	11.0000000000000000
Rishikesh	Female	16.7500000000000000
Goa	Female	21.7142857142857143
Nashik	Female	24.0000000000000000
Alleppey	Female	15.0000000000000000
Jaipur	Male	22.0000000000000000
Jorhat	Male	19.2500000000000000
Jorhat	Female	24.0000000000000000
Kanyakumari	Female	19.1666666666666667
Hampi	Male	27.5000000000000000
Hampi	Female	16.7500000000000000
Pondicherry	Male	23.5000000000000000

Total rows: 39 of 39 Query complete 00:00:00.240 Ln 6, Col 35

40. Hbc

The screenshot shows the pgAdmin 4 interface with a SQL query executed. The query is as follows:

```
1 SELECT p.package_id, count(ti.member_id) AS people_visited
2 FROM (((Packages AS p NATURAL JOIN Package_Booking AS pb)
3 NATURAL JOIN Group_Members)
4 NATURAL JOIN Traveller_info AS ti)
5 GROUP BY package_id
6 ORDER BY people_visited DESC LIMIT 1;
```

The results are displayed in a table with the following columns: package_id and people_visited. The table contains 1 row of data.

package_id	people_visited
402	19

Total rows: 1 of 1 Query complete 00:00:00.325 Ln 1, Col 1

Tours & Travels Management

41.

The screenshot shows the pgAdmin 4 interface. The left pane displays the database structure, including the 'travelsafari' schema. The main pane shows a SQL query being executed:

```
1 SELECT PK.* FROM Packages as PK NATURAL JOIN (SELECT p.package_id FROM ((Packages AS p NATURAL JOIN Packn
2 NATURAL JOIN Group_Members)
3 NATURAL JOIN Traveller_Info AS ti)
4 GROUP BY package_id
5 ORDER BY (count(ti.member_id)) DESC LIMIT 1) AS SK;
```

The 'Data Output' tab shows the results of the query:

package_id [PK] integer	package_name character varying (50)	departure_dest character varying (25)	arrival_dest character varying (25)	duration character varying (30)	itinerary character varying (150)	price numeric (7,2)	best_season character varyi
402	Goa Beach Getaway	Mumbai	Goa	4 Days	1.Travel to Goa,2-3.Relax on beaches,4.Departure	20000.00	Summer

The status bar indicates 'Total rows: 1 of 1' and 'Query complete 00:00:00.406'.

42.

The screenshot shows the pgAdmin 4 interface. The left pane displays the database structure, including the 'travelsafari' schema. The main pane shows a SQL query being executed:

```
1 SELECT guide_id FROM Guide
2 INTERSECT
3 SELECT agent_id FROM TravelAgent;
```

The 'Data Output' tab shows the results of the query:

guide_id integer
87
71
79
72
83

The status bar indicates 'Total rows: 5 of 5' and 'Query complete 00:00:00.136'.

Tours & Travels Management

43.

The screenshot shows the pgAdmin 4 interface. The left pane displays the database structure, with the 'travelsafari' schema selected. The main pane shows a query window with the following SQL:

```
1 SELECT agent_id FROM Travel_Agent
2 EXCEPT
3 SELECT guide_id FROM Guide
4 EXCEPT
5 SELECT admin_id FROM Admin
6 EXCEPT
7 SELECT user_id FROM LoggedInUser;
```

The 'Data Output' tab shows the results of the query, which are 8 rows of agent_id values:

agent_id
91
95
99
93
98
96
92
100

The status bar at the bottom indicates 'Total rows: 8 of 8' and 'Query complete 00:00:00.357'.

44.

The screenshot shows the pgAdmin 4 interface. The left pane displays the database structure, with the 'travelsafari' schema selected. The main pane shows a query window with the following SQL:

```
1 SELECT agent_id FROM Travel_Agent
2 UNION
3 SELECT guide_id FROM Guide;
```

The 'Data Output' tab shows the results of the query, which are 17 rows of agent_id and guide_id values:

agent_id
91
75
97
95
74
90
99
88
81
78
94
9
73
20
82
100
76

The status bar at the bottom indicates 'Total rows: 39 of 39' and 'Query complete 00:00:00.570'.