```sql
1    -- Airbnb Hospitality & Booking Trends
2
3    -- Project Overview -:
4    -- This project focuses strictly on relational logic using JOINs and aggregation functions.
5    -- Subqueries and CTEs are intentionally excluded to strengthen core SQL fundamentals.
6
7    -- Problem Statement -:
8    -- Provide strategic insights into property performance and booking behavior.
```

```sql
10
11   -- Create the Database
12   CREATE DATABASE AirbnbHospitalityproject;
```

Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:59:16	CREATE DATABASE AirbnbHospitalityproject	1 row(s) affected	0.031 sec

```sql
18
19   -- use the database
20   USE AirbnbHospitalityproject;
21
```

Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:59:16	CREATE DATABASE AirbnbHospitalityproject	1 row(s) affected	0.031 sec
2	17:00:12	USE AirbnbHospitalityproject	0 row(s) affected	0.000 sec

```sql
18
19   -- create the table Dim_Customer
20   CREATE TABLE Dim_Customer(
21   Customer_ID INT PRIMARY KEY,
22   First_Name VARCHAR(50),
23   Last_Name VARCHAR(50),
24   Age_Group INT,
25   Gender VARCHAR(50),
26   Nationality VARCHAR(50),
27   Customer_Segment VARCHAR(50)
28   );
29
```

Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:59:16	CREATE DATABASE AirbnbHospitalityproject	1 row(s) affected	0.031 sec
2	17:00:12	USE AirbnbHospitalityproject	0 row(s) affected	0.000 sec
3	17:05:08	CREATE TABLE Dim_Customer(Customer_IDINT PRIMARY KEY, First_Name VARCHAR(50), Last_Name VA...	0 row(s) affected	0.094 sec

```sql
30
31   -- create the table Dim_Date
32   CREATE TABLE Dim_Date(
33   Date_ID INT PRIMARY KEY,
34   Full_Date DATE,
35   Day INT,
36   Month INT,
37   Quarter INT,
38   Year INT,
39   Weekday_Name VARCHAR(50),
40   Is_Weekend BOOLEAN
41   );
```

Context Help | Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:59:16	CREATE DATABASE AirbnbHospitalityproject	1 row(s) affected	0.031 sec
2	17:00:12	USE AirbnbHospitalityproject	0 row(s) affected	0.000 sec
3	17:05:08	CREATE TABLE Dim_Customer(Customer_IDINT PRIMARY KEY, First_Name VARCHAR(50), Last_Name VA...	0 row(s) affected	0.094 sec
4	17:21:19	CREATE TABLE Dim_Date(Date_IDINT PRIMARY KEY, Full_Date DATE, Day INT, Month INT, Quarter INT, ...	0 row(s) affected	0.063 sec

```sql
43
44    -- create the table Dim_Host
45  ● ⊟  CREATE TABLE Dim_Host(
46       Host_ID INT PRIMARY KEY,
47       Host_Name VARCHAR(50),
48       Superhost_Flag BOOLEAN,
49       Total_Listings INT,
50       Host_Since_Year INT,
51       Response_Time VARCHAR(50)
52       );
53
```

Output | Action Output

#	Time	Action	Message	Duration / Fetch
✔	4 17:21:19	CREATE TABLE Dim_Date(Date_IDINT PRIMARY KEY, Full_Date DATE, Day INT, Month INT, Quarter INT...	0 row(s) affected	0.063 sec
✔	5 17:26:28	CREATE TABLE Dim_Host(Host_IDINT PRIMARY KEY, Host_Name VARCHAR(50), Superhost_Flag BOOL...	0 row(s) affected	0.015 sec

```sql
53
54    -- create the table Dim_Property
55  ● ⊟  CREATE TABLE Dim_Property(
56       Property_ID INT PRIMARY KEY,
57       Host_ID INT,
58       Property_Type VARCHAR(50),
59       Room_Type VARCHAR(50),
60       Location_City VARCHAR(50),
61       Location_Country VARCHAR(50),
62       No_of_Bedrooms INT,
63       No_of_Bathrooms INT,
64       Amenities VARCHAR(150),
65       Price_per_Night FLOAT
66       );
67
```

Output | Action Output

#	Time	Action	Message	Duration / Fetch
✔	5 17:26:28	CREATE TABLE Dim_Host(Host_IDINT PRIMARY KEY, Host_Name VARCHAR(50), Superhost_Flag BOOL...	0 row(s) affected	0.015 sec
✔	6 17:32:18	CREATE TABLE Dim_Property(Property_IDINT PRIMARY KEY, Host_ID INT, Property_Type VARCHAR(50)...	0 row(s) affected	0.031 sec

```sql
68
69    -- create the table Fact_Bookings
70  ● ⊟  CREATE TABLE Fact_Bookings(
71       Booking_ID  INT PRIMARY KEY,
72       Property_ID INT,
73       Date_ID INT,
74       Customer_ID INT,
75       Host_ID INT,
76       Revenue FLOAT,
77       Nights_Booked INT,
78       Number_of_Guests INT,
79       Cleaning_Fee FLOAT,
80       Service_Fee FLOAT
81       );
82
```

Output | Action Output

#	Time	Action	Message	Duration / Fetch
✔	6 17:32:18	CREATE TABLE Dim_Property(Property_IDINT PRIMARY KEY, Host_ID INT, Property_Type VARCHAR(50)...	0 row(s) affected	0.031 sec
✔	7 17:36:57	CREATE TABLE Fact_Bookings(Booking_IDINT PRIMARY KEY, Property_ID INT, Date_ID INT, Customer_...	0 row(s) affected	0.016 sec

```
83
84    -- Insert the value into the table Dim_Customer
85 ●  INSERT INTO Dim_Customer VALUES
86    (0,"Michael","Chapman",18-25,"Other","Guernsey","Budget"),
87    (1,"Elizabeth","Hardin",50-75,"Female","Angola","Premium"),
88    (2,"Marc","Ball",26-35,"Female","Belarus","Budget"),
89    (3,"Michael","Maxwell",18-25,"Male","Guam","Premium"),
90    (4,"Christina","Figueroa",36-50,"Other","French Southern Territories","Standard"),
91    (5,"Ashley","Robinson",50-75,"Male","Guinea","Standard"),
92    (6,"Madison","Rodriguez",50-75,"Female","Algeria","Premium"),
93    (7,"Jessica","Rogers",18-25,"Male","Colombia","Standard"),
94    (8,"Frank","Wheeler",50-75,"Male","Micronesia","Standard"),
95    (9,"Eduardo","Thompson",26-35,"Male","Sierra Leone","Budget"),
96    (10,"Angela","Rodgers",18-25,"Male","Vietnam","Budget"),
97    (11,"Scott","Williams",26-35,"Female","French Southern Territories","Premium"),
98    (12,"Jamie","Cox",51,"Female","Grenada","Premium"),
99    (13,"Eric","Castillo",26-35,"Male","Georgia","Budget"),
100   (14,"Kevin","Washington",36-50,"Female","Lithuania","Budget"),
101   (15,"Audrey","Robinson",36-50,"Other","Burundi","Premium"),
102   (16,"Allison","Gonzalez",18-25,"Other","Netherlands Antilles","Premium"),
103   (17,"Mary","Torres",26-35,"Other","Montenegro","Premium"),
104   (18,"Joseph","Kent",36-50,"Male","Argentina","Standard"),
105   (19,"Timothy","Cross",26-35,"Male","Hungary","Premium"),
106   (20,"Ronald","Bell",50-75,"Female","Burkina Faso","Standard"),
107   (21,"Darrell","Wood",18-25,"Female","Ethiopia","Budget"),
108   (22,"Ivan","Martin",26-35,"Female","Lithuania","Standard"),
109   (23,"Cynthia","Gill",26-35,"Female","Taiwan","Budget"),
110   (24,"Jeremy","Sexton",36-50,"Female","Belarus","Standard"),
111   (25,"Cassandra","Morris",18-25,"Female","Guinea-Bissau","Budget"),
112   (26,"Justin","Anderson",50-75,"Male","Comoros","Standard"),
113   (27,"Leah","Adams",36-50,"Male","Haiti","Budget"),
114   (28,"Michelle","Baldwin",50-75,"Male","Mali","Budget"),
115   (29,"Antonio","Golden",36-50,"Male","Japan","Premium"),
116   (30,"Jordan","Stewart",36-50,"Other","South Africa","Budget");
```

Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	7 17:36:57	CREATE TABLE Fact_Bookings(Booking_IDINT PRIMARY KEY, Property_ID INT, Date_ID INT, Customer_ID I...	0 row(s) affected	0.016 sec
✓	8 17:48:24	INSERT INTO Dim_Customer VALUES (0,"Michael","Chapman",18-25,"Other","Guernsey","Budget"), (1,"Elizab...	31 row(s) affected Records: 31 Duplicates: 0 Warnings: 0	0.047 sec

---

```
120   -- Insert the value into the table Dim_Date
121 ● INSERT INTO Dim_Date VALUES
122   (0,"2020-01-01",1,1,1,2020,"Wednesday",FALSE),
123   (1,"2020-01-02",2,1,1,2020,"Thursday",FALSE),
124   (2,"2020-01-03",3,1,1,2020,"Friday",FALSE),
125   (3,"2020-01-04",4,1,1,2020,"Saturday",TRUE),
126   (4,"2020-01-05",5,1,1,2020,"Sunday",TRUE),
127   (5,"2020-01-06",6,1,1,2020,"Monday",FALSE),
128   (6,"2020-01-07",7,1,1,2020,"Tuesday",FALSE),
129   (7,"2020-01-08",8,1,1,2020,"Wednesday",FALSE),
130   (8,"2020-01-09",9,1,1,2020,"Thursday",FALSE),
131   (9,"2020-01-10",10,1,1,2020,"Friday",FALSE),
132   (10,"2020-01-11",11,1,1,2020,"Saturday",TRUE),
133   (11,"2020-01-12",12,1,1,2020,"Sunday",TRUE),
134   (12,"2020-01-13",13,1,1,2020,"Monday",FALSE),
135   (13,"2020-01-14",14,1,1,2020,"Tuesday",FALSE),
136   (14,"2020-01-15",15,1,1,2020,"Wednesday",FALSE),
137   (15,"2020-01-16",16,1,1,2020,"Thursday",FALSE),
138   (16,"2020-01-17",17,1,1,2020,"Friday",FALSE),
139   (17,"2020-01-18",18,1,1,2020,"Saturday",TRUE),
140   (18,"2020-01-19",19,1,1,2020,"Sunday",TRUE),
141   (19,"2020-01-20",20,1,1,2020,"Monday",FALSE),
142   (20,"2020-01-21",21,1,1,2020,"Tuesday",FALSE),
143   (21,"2020-01-22",22,1,1,2020,"Wednesday",FALSE),
144   (22,"2020-01-23",23,1,1,2020,"Thursday",FALSE),
145   (23,"2020-01-24",24,1,1,2020,"Friday",FALSE),
146   (24,"2020-01-25",25,1,1,2020,"Saturday",TRUE),
147   (25,"2020-01-26",26,1,1,2020,"Sunday",TRUE),
148   (26,"2020-01-27",27,1,1,2020,"Monday",FALSE),
149   (27,"2020-01-28",28,1,1,2020,"Tuesday",FALSE),
150   (28,"2020-01-29",29,1,1,2020,"Wednesday",FALSE),
151   (29,"2020-01-30",30,1,1,2020,"Thursday",FALSE),
152   (30,"2020-01-31",31,1,1,2020,"Friday",FALSE);
153
```

Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	8 17:48:24	INSERT INTO Dim_Customer VALUES (0,"Michael","Chapman",18-25,"Other","Guernsey","Budget"), (1,"Elizab...	31 row(s) affected Records: 31 Duplicates: 0 Warnings: 0	0.047 sec
✓	9 17:56:34	INSERT INTO Dim_Date VALUES (0,"2020-01-01",1,1,1,2020,"Wednesday",FALSE), (1,"2020-01-02",2,1,1,20...	31 row(s) affected Records: 31 Duplicates: 0 Warnings: 0	0.016 sec

```
155    -- Insert the value into the table Dim_Host
156  ● INSERT INTO Dim_Host VALUES
157    (0,"Taylor Anderson",TRUE,12,2021,"within a day"),
158    (1,"Linda Burke",TRUE,12,2014,"within a few hours"),
159    (2,"Allison Buck",TRUE,13,2021,"within a day"),
160    (3,"Krystal Miller",FALSE,3,2019,"within a day"),
161    (4,"Faith Miller",FALSE,16,2021,"within a day"),
162    (5,"Michael Duran",TRUE,8,2020,"within an hour"),
163    (6,"Alexandra Mathis",TRUE,7,2013,"within an hour"),
164    (7,"Brandi Escobar",TRUE,8,2021,"within an hour"),
165    (8,"Stacy Kendall",TRUE,7,2024,"within a day"),
166    (9,"Melanie Miller",TRUE,9,2010,"within a few hours"),
167    (10,"Ralph Allen",FALSE,2,2024,"within an hour"),
168    (11,"Frank Hickman",TRUE,13,2019,"within a few hours"),
169    (12,"Mark Ross",TRUE,6,2018,"within a day"),
170    (13,"William Howard",TRUE,5,2014,"within an hour"),
171    (14,"Jesse Garner PhD",FALSE,18,2010,"within an hour"),
172    (15,"Michelle Torres",TRUE,11,2014,"within a day"),
173    (16,"Kim Campbell",FALSE,18,2020,"within a day"),
174    (17,"Noah Henry",FALSE,1,2023,"within a few hours"),
175    (18,"Katie Hill",FALSE,13,2017,"within a few hours"),
176    (19,"Michelle Allen",TRUE,8,2013,"within a few hours"),
177    (20,"Kristina Phillips",FALSE,13,2017,"within a few hours"),
178    (21,"Bobby Adams",TRUE,10,2024,"within a few hours"),
179    (22,"Steven Evans",TRUE,10,2022,"within a few hours"),
180    (23,"Angel Woods",TRUE,14,2013,"within an hour"),
181    (24,"Jacqueline Anderson",TRUE,11,2012,"within an hour"),
182    (25,"Brian Reynolds",TRUE,20,2020,"within an hour"),
183    (26,"Frank Johnston",FALSE,11,2020,"within an hour"),
184    (27,"Brian Sims",TRUE,2,2012,"within a day"),
185    (28,"Richard Brennan",FALSE,7,2021,"within an hour"),
186    (29,"Danny Graves",TRUE,10,2015,"within a day"),
187    (30,"Kevin Jordan",TRUE,19,2011,"within an hour");
188
```

Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.

Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	9 17:56:34	INSERT INTO Dim_Date VALUES (0,"2020-01-01",1,1,1,2020,"Wednesday",FALSE), (1,"2020-01-02",2,1,1,20...	31 row(s) affected Records: 31 Duplicates: 0 Warnings: 0	0.016 sec
✓	10 18:02:26	INSERT INTO Dim_Host VALUES (0,"Taylor Anderson",TRUE,12,2021,"within a day"), (1,"Linda Burke",TRUE,...	31 row(s) affected Records: 31 Duplicates: 0 Warnings: 0	0.047 sec

---

```
189
190    -- Insert the value into the table Dim_Property
191  ● INSERT INTO Dim_Property VALUES
192    (0,81,"House","Private room","Belindahaven","Greece",1,2,"why, good, tonight, realize, beautiful",880.36),
...
222    (30,132,"House","Private room","Port Meagan","Nepal",4,5,"cost, order, a, open, people",723.55);
223
224
```

Automatic context help is disabled. Use the toolbar t manually get help for the current caret position or t toggle automatic help.

Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓	10 18:02:26	INSERT INTO Dim_Host VALUES (0,"Taylor Anderson",TRUE,12,2021,"within a day"), (1,"Linda Burke",TRUE,...	31 row(s) affected Records: 31 Duplicates: 0 Warnings: 0	0.047 sec
✓	11 18:17:54	INSERT INTO Dim_Property VALUES (0,81,"House","Private room","Belindahaven","Greece",3,2,"why, good, t...	31 row(s) affected Records: 31 Duplicates: 0 Warnings: 0	0.016 sec

```
224
225     -- Insert the value into the table Fact_Bookings
226  ●  INSERT INTO Fact_Bookings VALUES
227     (0,789,1159,3090,135,3213.39,18,5,190.09,121.4),
228     (1,341,762,2579,75,209.34,19,6,56.29,21.99),
229     (2,350,790,1165,43,2130.46,19,7,139.33,120.65),
230     (3,742,90,539,283,2581.05,5,1,60.42,56.15),
231     (4,674,70,2500,175,3689.21,21,6,139.42,50.01),
232     (5,155,283,3405,268,128.34,4,6,101.92,40.87),
233     (6,106,624,1679,28,1635.26,4,6,37.03,31.43),
234     (7,901,894,2833,33,3642.36,14,2,82.67,25.36),
235     (8,408,1174,3738,41,4831.55,17,8,104.08,100.5),
236     (9,1431,1185,3226,263,1484.07,13,5,53.4,82.04),
237     (10,1293,1443,1345,114,3284.05,10,2,165.34,84.52),
238     (11,1202,601,2391,270,906.14,15,1,29.03,37.67),
239     (12,463,213,3392,274,2868.72,19,4,91.58,63.34),
240     (13,1054,1646,2106,42,1057.73,6,8,188.70,16.13),
241     (14,1073,1755,1840,26,2753.23,15,1,26.77,64.68),
242     (15,1322,1212,4090,251,4462.52,4,2,169.11,24.59),
243     (16,1375,1417,467,106,3970.75,4,2,60.43,24.95),
244     (17,1478,282,1967,255,2677.48,5,7,64.67,125.04),
245     (18,51,740,1167,226,744.03,5,4,113.11,65.71),
246     (19,794,1568,3184,80,664.97,18,5,60.5,14.88),
247     (20,679,133,2332,35,2611.12,6,5,22.64,71.6),
248     (21,137,1298,4450,254,4680.4,15,1,187.61,135.72),
249     (22,627,212,529,209,342.86,11,8,78.77,37.92),
250     (23,441,11,3046,65,4826.96,21,6,170.91,48.43),
251     (24,443,1002,4550,40,3008.18,10,6,126.48,78.15),
252     (25,981,928,4778,150,214.3,5,1,95.77,100.19),
253     (26,318,1057,12,32,2491.40,12,8,119.14,51.29),
254     (27,457,1573,2751,64,1284.15,6,6,27.45,51.2),
255     (28,376,56,2505,106,4776.14,5,6,41.53,70.47),
256     (29,1432,357,366,60,2340.06,6,4,87.28,120.64),
257     (30,317,1699,816,64,3062.98,7,8,68.92,42.54);
258
259
```

Context Help | Snippets

Output

Action Output ▾

#	Time	Action	Message	Duration / Fetch
11	18:17:54	INSERT INTO Dim_Property VALUES (0,81,"House","Private room","Belindahaven","Greece",3,2,"why, good, t...	31 row(s) affected Records: 31 Duplicates: 0 Warnings: 0	0.016 sec
12	18:42:59	INSERT INTO Fact_Bookings VALUES (0,789,1159,3090,135,3213.39,18,5,190.09,121.4), (1,341,762,2579,75,....	31 row(s) affected Records: 31 Duplicates: 0 Warnings: 0	0.047 sec

---

```
259
260     -- to check the values from the table Dim_Customer
261  ●  SELECT * FROM Dim_Customer;
262
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: ‡A

Customer_ID	First_Name	Last_Name	Age_Group	Gender	Nationality	Customer_Segment
0	Michael	Chapman	-7	Other	Guernsey	Budget
1	Elizabeth	Hardin	-25	Female	Angola	Premium
2	Marc	Ball	-9	Female	Belarus	Budget
3	Michael	Maxwell	-7	Male	Guam	Premium
4	Christina	Figueroa	-14	Other	French Southern Territories	Standard

m_Customer 1 ✕   Apply | Revert | Context Help | Snippets

Output

Action Output ▾

#	Time	Action	Message	Duration / Fetch
12	18:42:59	INSERT INTO Fact_Bookings VALUES (0,789,1159,3090,135,3213.39,18,5,190.09,121.4), (1,341,762,257...	31 row(s) affected Records: 31 Duplicates: 0 Warnings: 0	0.047 sec
13	18:45:49	SELECT * FROM Dim_Customer LIMIT 0, 1000	31 row(s) returned	0.047 sec / 0.000 sec

---

```
263
264     -- to check the values from the table Dim_Date
265  ●  SELECT * FROM Dim_Date;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: ‡A

Date_ID	Full_Date	Day	Month	Quarter	Year	Weekday_Name	Is_Weekend
0	2020-01-01	1	1	1	2020	Wednesday	0
1	2020-01-02	2	1	1	2020	Thursday	0
2	2020-01-03	3	1	1	2020	Friday	0
3	2020-01-04	4	1	1	2020	Saturday	1
4	2020-01-05	5	1	1	2020	Sunday	1
5	2020-01-06	6	1	1	2020	Monday	0
6	2020-01-07	7	1	1	2020	Tuesday	0

Dim_Date 2 ✕   Apply | Revert | Context Help | Snippets

Output

Action Output ▾

#	Time	Action	Message	Duration / Fetch
13	18:45:49	SELECT * FROM Dim_Customer LIMIT 0, 1000	31 row(s) returned	0.047 sec / 0.000 sec
14	18:48:54	SELECT * FROM Dim_Date LIMIT 0, 1000	31 row(s) returned	0.031 sec / 0.000 sec

```
266
267    -- to check the values from the table Dim_Host
268 ●    SELECT * FROM Dim_Host;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Host_ID	Host_Name	Superhost_Flag	Total_Listings	Host_Since_Year	Response_Time
0	Taylor Anderson	1	12	2021	within a day
1	Linda Burke	1	12	2014	within a few hours
2	Allison Buck	1	13	2023	within a day
3	Krystal Miles	0	3	2019	within a day
4	Faith Miller	0	16	2021	within a day
5	Michael Duran	1	8	2020	within an hour
6	Alexandra Mathis	1	7	2013	within an hour

Dim_Host 3 ×   Apply   Revert   Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
● 14	18:48:54	SELECT * FROM Dim_Date LIMIT 0, 1000	31 row(s) returned	0.031 sec / 0.000 sec
● 15	18:49:59	SELECT * FROM Dim_Host LIMIT 0, 1000	31 row(s) returned	0.016 sec / 0.000 sec

```
270
271    -- to check the values from the table Dim_Property
272 ●    SELECT * FROM Dim_Property;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Property_ID	Host_ID	Property_Type	Room_Type	Location_City	Location_Country	No_of_Bedrooms	No_of_Bathrooms	Amenities	Price_per_
0	81	House	Private room	Belindahaven	Greece	3	2	why, good, tonight, realize, beautiful	880.36
1	243	Villa	Shared room	East Travis	Portugal	2	3	though, while, certainly, it, letter	109.95
2	167	Studio	Entire place	Osbornechester	Papua New Guinea	3	3	buy, name, subject, rock, old	404.32
3	87	Villa	Private room	Sandersmouth	Algeria	5	3	meeting, attack, our, apply, different	702.78
4	176	Apartment	Shared room	East Steven	Sudan	5	2	anything, example, edge, final, how	60.32
5	264	House	Entire place	West Anitaberg	Guam	5	2	general, important, thank, minute, until	542.71
6	95	House	Shared room	Jasonville	Timor-Leste	5	2	light, each, can, evidence, later	934.34
7	61	Studio	Entire place	Lorichester	Cyprus	5	3	memory, page, pattern, political, stay	773.03

Dim_Property 4 ×   Apply   Revert   Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
● 15	18:49:59	SELECT * FROM Dim_Host LIMIT 0, 1000	31 row(s) returned	0.016 sec / 0.000 sec
● 16	18:51:47	SELECT * FROM Dim_Property LIMIT 0, 1000	31 row(s) returned	0.000 sec / 0.000 sec

```
274
275    -- to check the values from the table Fact_Bookings
276 ●    SELECT * FROM Fact_Bookings;
277
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

Booking_ID	Property_ID	Date_ID	Customer_ID	Host_ID	Revenue	Nights_Booked	Number_of_Guests	Cleaning_Fee	Service_Fee
0	789	1159	3090	135	3213.39	18	5	190.09	121.4
1	341	762	2579	75	205.34	19	6	56.29	21.99
2	350	799	1165	43	2130.46	13	7	139.33	120.65
3	742	90	539	283	2581.05	9	1	60.42	56.15
4	674	70	2500	175	3609.21	21	6	119.42	50.01
5	533	283	3405	260	128.34	4	6	101.92	49.87
6	106	624	1679	20	1635.26	4	4	37.03	31.43
7	901	934	2833	33	3642.36	14	2	82.67	29.36
8	400	1174	3738	41	4831.59	17	8	184.08	108.9
9	1431	1185	3226	263	1484.07	13	5	53.4	82.04
10	1293	1443	1345	114	3284.05	18	2	169.34	84.52

Fact_Bookings 5 ×   Apply   Revert   Context Help   Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
● 16	18:51:47	SELECT * FROM Dim_Property LIMIT 0, 1000	31 row(s) returned	0.000 sec / 0.000 sec
● 17	18:52:59	SELECT * FROM Fact_Bookings LIMIT 0, 1000	31 row(s) returned	0.015 sec / 0.000 sec

```sql
281
282    -- 1. Host Success - Superhosts and total bookings received.
283 ●  SELECT
284        h.Superhost_Flag,h.Total_Listings
285    FROM Dim_Host AS h;
286
```

Superhost_Flag	Total_Listings
1	12
1	12
1	13
0	3
0	16
1	8
1	7
1	8
1	7
1	9
0	2

Dim_Host 7 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
⊗ 19	19:47:35	SELECT h.Superhost_Flag,h.Total_Listings FROM Dim_Host LIMIT 0, 1000	Error Code: 1054. Unknown column 'h.Superhost_Flag' in 'field list'	0.000 sec
✓ 20	19:47:57	SELECT h.Superhost_Flag,h.Total_Listings FROM Dim_Host AS h LIMIT 0, 1000	31 row(s) returned	0.000 sec / 0.000 sec

```sql
288
289    -- 2. Property Revenue - Revenue by property type.
290 ●  SELECT
291        p.Property_Type,
292        SUM(f.Revenue * f.Cleaning_Fee * f.Service_Fee ) AS Total_Revenue
293    FROM Dim_Property AS P
294    JOIN Fact_Bookings AS f ON p.property_id = f.property_id
295    GROUP BY p.Property_Type
296    ORDER BY Total_Revenue DESC;
```

Property_Type	Total_Revenue

Result 12 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 26	21:56:14	SELECT * FROM Fact_Bookings LIMIT 0, 1000	31 row(s) returned	0.016 sec / 0.000 sec
✓ 27	21:56:39	SELECT p.Property_Type, SUM(f.Revenue * f.Cleaning_Fee * f.Service_Fee) AS Total_Revenue F...	0 row(s) returned	0.016 sec / 0.000 sec

```sql
299
300    -- 4. Booking Origins - Total bookings by nationality.
301 ●  SELECT
302        c.Nationality,
303        COUNT(f.Booking_Id) AS Total_Booking
304    FROM Dim_Customer AS c
305    JOIN Fact_Bookings AS F ON c.Customer_id = f.Customer_id
306    GROUP BY c.Nationality
307    ORDER BY Total_Booking DESC;
308
```

Nationality	Total_Booking
Grenada	1

Result 17 ×

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 33	22:19:12	SELECT * FROM Fact_Bookings LIMIT 0, 1000	31 row(s) returned	0.000 sec / 0.000 sec
✓ 34	22:24:07	SELECT c.Nationality, COUNT(f.Booking_Id) AS Total_Booking FROM Dim_Customer AS c JOIN Fact_Boo...	1 row(s) returned	0.000 sec / 0.000 sec

```sql
309
310
311     -- 5. Rating Analysis – Properties with average rating above 4.5.
312  •  SELECT
313     COUNT(p.Property_Type) AS Total_Rating,
314     h.Response_Time
315     FROM Dim_Host AS h
316     JOIN Dim_Property AS p ON h.Host_id = p.Host_id
317     GROUP BY h.Response_Time
318     ORDER BY Total_Rating DESC;
319
320
321
322
```

	Total_Rating	Response_Time
▶	1	within a day

Result 20 ✕

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Output

Action Output

	#	Time	Action	Message	Duration / Fetch
✔	41	22:37:13	SELECT COUNT(p.Property_Type) AS Total_Rating, h.Response_Time FROM Dim_Host AS h JOIN Dim_P...	1 row(s) returned	0.000 sec / 0.000 sec
✔	42	22:37:22	SELECT COUNT(p.Property_Type) AS Total_Rating, h.Response_Time FROM Dim_Host AS h JOIN Dim_P...	1 row(s) returned	0.015 sec / 0.000 sec