

```
1  create database hotel_booking_db ;
2  • use hotel_booking_db;
3
4  • select * from hotel_bookings;
5
6  -- Total Bookings (overall & by hotel) --
7
8  • SELECT
9      hotel, COUNT(*) AS total_bookings
10 FROM
11     hotel_bookings
12 GROUP BY 1;
```



Result Grid |   Filter Rows: | Export:  | Wrap Cell Content

	hotel	total_bookings
•	Resort Hotel	40059
	City Hotel	79330

```

14
15  -- Cancellation Rate (overall & by hotel) --
16
17 • SELECT
18     hotel,
19     COUNT(*) AS total_bookings,
20     SUM(CASE
21         WHEN is_canceled = 'Yes' THEN 1
22         ELSE 0
23     END) AS canceled_bookings,
24     (SUM(CASE
25         WHEN is_canceled = 'Yes' THEN 1
26         ELSE 0
27     END) * 100 / COUNT(*)) AS Cancellation_Rate
28 FROM
29     hotel_bookings
30 GROUP BY 1;
31

```

Result Grid |  Filter Rows: | Export:  | Wrap Cell Content: 

	hotel	total_bookings	canceled_bookings	Cancellation_Rate
►	Resort Hotel	40059	11122	27.7640
	City Hotel	79330	33102	41.7270

```
33      -- Average Stay Duration (by hotel) --
34
35 •   SELECT
36       hotel, ROUND(AVG(total_stays), 2) AS avg_stay_duration
37   FROM
38       hotel_bookings
39   GROUP BY 1;
40
```

Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

	hotel	avg_stay_duration
▶	Resort Hotel	4.32
	City Hotel	2.98

```
41      -- Revenue by Hotel --
42
43 •    SELECT
44         hotel, ROUND(SUM(revenue), 2) AS total_revenue
45     FROM
46         hotel_bookings
47     GROUP BY 1
48     ORDER BY 2 DESC;
49
```

Result Grid



Filter Rows:

Export:



Wrap Cell Content:



	hotel	total_revenue
•	City Hotel	25279469.96
	Resort Hotel	17444091.37

```
50      -- Top 10 Guest Countries --
51
52 •    SELECT
53         country, COUNT(*) AS total_bookings
54     FROM
55         hotel_bookings
56     GROUP BY 1
57     ORDER BY 2 DESC
58     LIMIT 10;
59
```

Result Grid   Filter Rows: | Export:  | Wrap Cell

	country	total_bookings
▶	PRT	48590
	GBR	12128
	FRA	10415
	ESP	8568
	DEU	7287

```
60      -- Booking Trends by Month --
61
62 •    SELECT
63         arrival_date_month, COUNT(*) AS monthly_bookings
64     FROM
65         hotel_bookings
66     GROUP BY 1
67     ORDER BY 2 DESC;
68
```




Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

	arrival_date_month	monthly_bookings
▶	August	13877
	July	12661
	May	11791
	October	11160
	April	11089

```

70      -- Impact of Parking Requests --
71
72 •   SELECT
73         required_car_parking_spaces,
74         COUNT(*) AS total_bookings,
75         ROUND(AVG(revenue), 2) AS avg_revenue
76     FROM
77         hotel_bookings
78     GROUP BY 1
79     ORDER BY 2 DESC;
80

```

Result Grid   Filter Rows: <input type="text"/> Export:  Wrap Cell Cont			
	required_car_parking_spaces	total_bookings	avg_revenue
► No Parking		111973	355.79
Parking Requested		7416	389.05

```

81  -- Special Requests vs Cancellations --
82
83  • SELECT
84      total_of_special_requests,
85      COUNT(*) AS total_bookings,
86      SUM(CASE
87          WHEN is_canceled = 'Yes' THEN 1
88          ELSE 0
89      END) AS canceled_bookings,
90      ROUND(SUM(CASE
91          WHEN is_canceled = 'Yes' THEN 1
92          ELSE 0
93      END) * 100 / COUNT(*),
94      2) AS cancellation_rate
95  FROM
96      hotel_bookings
97  GROUP BY 1;
98

```

Result Grid |   Filter Rows: | Export:  | Wrap Cell Content: 

	total_of_special_requests	total_bookings	canceled_bookings	cancellation_rate
NULL		70317	33556	47.72
1Request		33226	7318	22.02
3Request		2497	446	17.86
2Request		12969	2866	22.10
4Request		340	36	10.59


```

99      -- Repeated Guest Insights --
100
101 •    SELECT
102         is_repeated_guest,
103         COUNT(*) AS total_bookings,
104         ROUND(AVG(revenue), 2) AS avg_revenue
105     FROM
106         hotel_bookings
107     GROUP BY 1;
108


```

Result Grid			
Filter Rows: <input type="text"/>			
Export: <input type="button" value="Export"/>			
Wrap Cell Content			
	is_repeated_guest	total_bookings	avg_revenue
▶ No	No	115580	364.58
▶ Yes	Yes	3809	153.56

```

109      -- Booking Channels Performance --
110
111 •   SELECT
112       distribution_channel,
113       COUNT(*) AS total_bookings,
114       ROUND(SUM(revenue), 2) AS total_revenue
115   FROM
116       hotel_bookings
117   GROUP BY 1;
118

```

Result Grid			
Filter Rows: <input type="text"/>			
Export:  Wrap Cell Cor			
	distribution_channel	total_bookings	total_revenue
►	Direct	14644	5466164.6
	Corporate	6677	1114093.46
	TA/TO	97870	36096134.85
	Undefined	5	1171
	GDS	193	45997.42