```sql
create database Hotel

select * from Hotel
```

156 %

Results | Messages

	Booking_ID	Date_of_Booking	Year_of_Booking	Customer_ID	Gender	Age	Origin_Country	State	Location	No_Of_People	Check_in_date	No_of_Days	Check_Out_Date	
1	DDMY00001	2010-01-01	2010	MY00001	Male	42	Malaysia	Johor	Iskandar Puteri	1	2010-01-12	8	2010-01-20	1
2	DDID00002	2010-01-01	2010	ID00001	Female	44	Indonesia	Ciawi	West Java	3	2010-01-21	1	2010-01-22	
3	DDSG00003	2010-01-01	2010	SG00001	Female	31	Singapore	Central	Rochor	3	2010-01-02	7	2010-01-09	2
4	DDSG00004	2010-01-01	2010	SG00002	Male	28	Singapore	North	Yishun	3	2010-02-15	4	2010-02-19	
5	DDKH00005	2010-01-01	2010	KH00001	Male	44	Cambodia	Phnom Trop	Pursat	5	2010-01-03	3	2010-01-06	
6	DDTH00006	2010-01-01	2010	TH00001	Male	32	Thailand	Chiang Mai	Chiang Mai	2	2010-01-28	1	2010-01-29	1
7	DDTH00007	2010-01-01	2010	TH00002	Male	49	Thailand	Surat Thani	Surat Thani	3	2010-03-15	3	2010-03-18	
8	DDMY00008	2010-01-01	2010	MY00002	Female	58	Malaysia	Sarawak	Kuching	4	2010-01-03	1	2010-01-04	
9	DDSG00009	2010-01-01	2010	SG00003	Male	57	Singapore	North	Mandai	4	2010-04-09	3	2010-04-12	
10	DDSG00010	2010-01-01	2010	SG00004	Female	41	Singapore	West	Tengah	4	2010-01-07	2	2010-01-09	
11	DDTH00011	2010-01-01	2010	TH00003	Female	28	Thailand	Rayong	Rayong	6	2010-01-11	6	2010-01-17	3
12	DDMY00012	2010-01-01	2010	MY00003	Male	40	Malaysia	Kedah	Alor Setar	7	2010-01-02	1	2010-01-03	4
13	DDVN00013	2010-01-01	2010	VN00001	Male	37	Vietnam	Da Nang	Da Nang	3	2010-02-17	3	2010-02-20	
14	DDKH00014	2010-01-01	2010	KH00002	Female	40	Cambodia	Kamchay Mear	Prey Veng	4	2010-02-25	1	2010-02-26	
15	DDKH00015	2010-01-02	2010	KH00003	Male	51	Cambodia	Kandal	Kandal	5	2010-01-03	2	2010-01-05	
16	DDVN00016	2010-01-02	2010	VN00002	Female	25	Vietnam	Da Nang	Da Nang	6	2010-02-03	2	2010-02-05	
17	DDSG00017	2010-01-02	2010	SG00005	Male	33	Singapore	Central	Toa Payoh	6	2010-01-12	9	2010-01-21	
18	DDPH00018	2010-01-02	2010	PH00001	Female	25	Philippines	Isabela	Cauayan	3	2010-01-03	2	2010-01-05	

```sql
--  1)  total sum of profit

select sum(profit_Amount) [sum of profit_Amount] from Hotel
```

156 %

Results | Messages

	sum of profit_Amount
1	2629536

hotel detiales.sql...OP-LB6HGFV\pc (79))*

```sql
-- 2) minimum profit amount
```

LB6HGFV\SQLEXPRESS (SQL Server 16.0.1000 - DESKTOP-LB6HGFV\pc)

```sql
select min(profit_Amount) [min profit_Amount] from Hotel
```

156 %

▦ Results 📄 Messages

	min profit_Amount
1	4

✅ Query executed successfully. DESKTOP-LB6HGFV\SQLEXPRESS ... DESKTOP-LB6HGFV\pc (79) Hotel 00:00:00 1 rows

```sql
-- 3)  maximum profit amount

select max(profit_Amount) [max profit_Amount] from Hotel
```

156 %

🔲 Results   📄 Messages

	max profit_Amount
1	109

```
--  4)  Gender wise  booking


select  Gender , count(Booking_iD) [sum of Booking wise Gender] from Hotel
group by Gender
```

156 %

Results | Messages

	Gender	sum of Booking wise Gender
1	Male	33153
2	Female	33388

```sql
-- 5) year wise booking

select year_of_booking ,count(Booking_ID) [year wise total booking] from Hotel
group by year_of_Booking
order by year_of_Booking
```

156 %

Results | Messages

	year_of_booking	year wise total booking
1	2010	4798
2	2011	5309
3	2012	5607
4	2013	5525
5	2014	5906
6	2015	6292
7	2016	6214
8	2017	8571
9	2018	8817
10	2019	9502

```sql
--  6)  age wise booking

select Age , count(Booking_iD) [age wise booking] from Hotel
group by Age
order by age
```

156 %

Results | Messages

	Age	age wise booking
1	19	1723
2	20	1601
3	21	1645
4	22	1776
5	23	1630
6	24	1645
7	25	1742
8	26	1651
9	27	1647
10	28	1735
11	29	1649
12	30	1652
13	31	1703
14	32	1696
15	33	1715
16	34	1688

hotel detiales.sql...OP-LB6HGFV\pc (79))* ⊣ ✕

```sql
--  7) Origin_Country wise Booking


select Origin_Country, count(Booking_iD) [Origin_Country wise count booking] from Hotel
group by Origin_Country
```

156 %

Results | Messages

	Origin_Country	Origin_Country wise count booking
1	Vietnam	5961
2	Malaysia	12050
3	Indonesia	11986
4	Philippines	6383
5	Thailand	12170
6	Singapore	12038
7	Cambodia	5953

```sql
-- 8) top highest booking of Origin_country

select Origin_Country, count(Booking_iD) [count booking] from Hotel
where Origin_Country  in ('Malaysia','Indonesia', 'Thailand', 'Singapore')
group by Origin_Country
```

156 %

Results | Messages

	Origin_Country	count booking
1	Malaysia	12050
2	Indonesia	11986
3	Thailand	12170
4	Singapore	12038

Query executed successfully. | DESKTOP-LB6HGFV\SQLEXPRESS ... | DESKTOP-LB6HGFV\pc (79) | Hotel | 00:00:00 | 4 rows

```sql
-- 9)  origin_country and State wise top highest booking


select Origin_Country,State, count(Booking_iD) [count booking] from Hotel
where Origin_Country  in ('Malaysia','Indonesia', 'Thailand', 'Singapore')
group by Origin_Country,State
having  count(Booking_iD)> 500
order by Origin_Country
```

156 %

Results   Messages

	Origin_Country	State	count booking
1	Malaysia	Sabah	900
2	Malaysia	Selangor	1793
3	Malaysia	Terengganu	909
4	Malaysia	Melaka	934
5	Malaysia	Kedah	942
6	Malaysia	Sarawak	1884
7	Malaysia	Perak	978
8	Malaysia	Johor	1863
9	Malaysia	Penang	1847
10	Singapore	North-East	1461
11	Singapore	East	1340
12	Singapore	West	2617
13	Singapore	Central	4821
14	Singapore	North	1799

Query executed successfully.   DESKTOP-LB6HGFV\SQLEXPRESS ...   DESKTOP-LB6HGFV\pc (79)   Hotel   00:00:00   19 rows

```sql
-- 10)  how much people came to on a date

select Check_in_date, count(Booking_iD) [count Booking_ID] from Hotel
group by Check_in_date
order by count(Booking_iD)desc
```

156 %

	Check_in_date	count Booking_ID
1	2018-12-09	41
2	2019-10-29	41
3	2017-04-15	38
4	2019-03-18	38
5	2019-09-09	38
6	2017-02-21	38
7	2019-09-03	37
8	2018-06-12	37
9	2019-09-05	36
10	2018-09-15	36
11	2019-11-01	36
12	2018-03-13	36
13	2017-06-03	36
14	2019-02-13	36

Results | Messages

```sql
-- 11)  Origin_Country and State wise count of hotel


select distinct Origin_Country,state ,count(Hotel_Name)[count of hotel] from Hotel
group by Origin_Country,state
order by Origin_Country
```

156 %

Results | **Messages**

	Origin_Country	state	count of hotel
1	Cambodia	Pailin	127
2	Cambodia	Krang Yov	141
3	Cambodia	Rumdaoh	140
4	Cambodia	Kandal Stueng	125
5	Cambodia	Bar Yakha	161
6	Cambodia	Prey Tralach	149
7	Cambodia	Pouk	169
8	Cambodia	Chamkar Leu	149
9	Cambodia	Baray	140
10	Cambodia	Ta Sal	134
11	Cambodia	Chakrei	136
12	Cambodia	Kandal	139
13	Cambodia	Soutr Nikom	130
14	Cambodia	Kor	140

Query executed successfully. | DESKTOP-LB6HGFV\SQLEXPRESS ... | DESKTOP-LB6HGFV\pc (79) | Hotel | 00:00:00 | 219 rows

-- 12) How many people stayed in chick in hotel for how many days

```sql
select distinct No_of_Days,count(Check_in_date)[people check in days wise] from Hotel
group by No_of_Days
order by count(Check_in_date)desc
```

156 %

Results | Messages

	No_of_Days	people check in days wise
1	1	28254
2	3	11506
3	2	6648
4	7	6473
5	4	3888
6	8	2430
7	9	2406
8	5	2180
9	6	2176
10	12	47
11	18	42
12	11	40
13	10	39
14	16	38

Query executed successfully. | DESKTOP-LB6HGFV\SQLEXPRESS ... | DESKTOP-LB6HGFV\pc (79) | Hotel | 00:00:00 | 70 rows

```sql
-- 13)   count of Payment mode wise Payment mode

select Payment_mode,count(Payment_mode) from Hotel
group by Payment_mode
```

Results

	Payment_mode	(No column name)
1	Internet Banking	13446
2	Wallet	13317
3	Debit Card	13363
4	COD	13148
5	Credit Card	13267

Query executed successfully.   DESKTOP-LB6HGFV\SQLEXPRESS ...   DESKTOP-LB6HGFV\pc (79)   Hotel   00:00:00   5 rows

```sql
-- 14) hotel wise price

select distinct Hotel_Name , Booking_Price_SGD from Hotel
order by Booking_Price_SGD desc
```

	Hotel_Name	Booking_Price_SGD
1	The James New York	578
2	Waikiki Resort	578
3	Invitation Inn	576
4	Mofo Cuzzi Inn	576
5	Hotel Agoura	575
6	Crown Pastures Hotel	571
7	The Gritti Palace	568
8	Signature San Francisco	564
9	Rise And Shine Bed And Breakfast	562
10	Pacific Inn Hotel & Suites	558
11	Sea Side Den	554
12	Temporary Home	553
13	Bluepeaks Villa	551
14	Hillsong B&B	551
15	Four Points	545
16	The Langham	542

Query executed successfully.   DESKTOP-LB6HGFV\SQLEXPRESS ...   DESKTOP-LB6HGFV\pc (79)   Hotel   00:00:00   54,503 rows

```sql
-- 15) Gender wise total sum of Discount

select Gender , sum(Discount) [sum of discount] from Hotel
group by Gender
```

	Gender	sum of discount
1	Male	4132.9899952095
2	Female	4215.87999553047

-- 16) Origin_country wise count of Discount

```sql
select Origin_country, count(Discount) from Hotel
group by Origin_country
```

	Origin_country	(No column name)
1	Vietnam	5961
2	Malaysia	12050
3	Indonesia	11986
4	Philippines	6383
5	Thailand	12170
6	Singapore	12038
7	Cambodia	5953

```sql
-- 17)  Origin_country wise sum of Discount

select Origin_country, sum(Discount) from Hotel
group by Origin_country
```

Results | Messages

	Origin_country	(No column name)
1	Vietnam	754.469999400899
2	Malaysia	1519.34999831393
3	Indonesia	1498.22999848425
4	Philippines	798.439998978749
5	Thailand	1534.19999831356
6	Singapore	1502.17999845184
7	Cambodia	741.999998796731

```sql
-- 18) Year wise sum of profit

select Year_of_Booking,sum(profit_Amount) [Profit] from Hotel
group by Year_of_Booking
order by Year_of_Booking Desc
```

156 %

▦ Results 🗐 Messages

	Year_of_Booking	Profit
1	2019	407681
2	2018	398581
3	2017	320024
4	2016	216761
5	2015	209960
6	2014	173187
7	2013	261658
8	2012	248763
9	2011	210766
10	2010	182155

```sql
-- 19)  Year_of_Booking , Origin_Country and State wise sum of profit

select Year_of_Booking, Origin_Country, State ,sum(profit_Amount) [profit] from Hotel
group by Year_of_Booking , Origin_Country,State
order by Year_of_Booking Desc
```

156 %

Results | **Messages**

	Year_of_Booking	Origin_Country	State	profit
1	2019	Indonesia	Banti	982
2	2019	Cambodia	Kandal Stueng	698
3	2019	Vietnam	Hai Duong	1183
4	2019	Indonesia	Mangga Besar	624
5	2019	Philippines	South Cotabato	1209
6	2019	Vietnam	Vinh	827
7	2019	Vietnam	Da Nang	1719
8	2019	Cambodia	Pailin	810
9	2019	Cambodia	Krang Yov	722
10	2019	Philippines	Sorsogon	604
11	2019	Philippines	La Union	685
12	2019	Thailand	Udon Thani	3737
13	2019	Indonesia	Tigi	995
14	2019	Vietnam	Ninh An	2414
15	2019	Malaysia	Sabah	4909
16	2019	Philippines	Pisal	525

Query executed successfully. | DESKTOP-LB6HGFV\SQLEXPRESS ... | DESKTOP-LB6HGFV\pc (79) | Hotel | 00:00:00 | 2,190 rows

--20) Hotel name wise sum of Hotel rating

```sql
select  Hotel_Name,sum(Hotel_Rating) [sum of hotal rating] from Hotel
group by Hotel_Name
order by sum(Hotel_Rating) desc
```

156 %

Results | **Messages**

	Hotel_Name	sum of hotal rating
1	Grand Hyatt	953
2	Enchanted Isle	633
3	Secret Mirage	627
4	Ace Hotel	617
5	Reefs Resort & Club	616
6	The New Yorker	606
7	Inn It To Win It	603
8	Land's End Resort	599
9	Big Dreams Hotel	598
10	Main Street Motel	593
11	Cordial Hosts	591
12	Noble Den Hotel	587
13	The Worldly Traveler	586
14	The Lakefront	586
15	Interstellar Motel	584
16	Utopia Inn	583

Query executed successfully.   DESKTOP-LB6HGFV\SQLEXPRESS ...   DESKTOP-LB6HGFV\pc (79)   Hotel   00:00:00   614 rows

```sql
-- 21)  year and Gender wise count of booking

select Year_of_Booking,Gender,count(Date_of_Booking) [count of booking] from Hotel
group by Year_of_Booking,Gender
order by Year_of_Booking
```

156 %

Results | Messages

	Year_of_Booking	Gender	count of booking
1	2010	Female	2428
2	2010	Male	2370
3	2011	Female	2589
4	2011	Male	2720
5	2012	Female	2836
6	2012	Male	2771
7	2013	Female	2776
8	2013	Male	2749
9	2014	Female	2953
10	2014	Male	2953
11	2015	Female	3136
12	2015	Male	3156
13	2016	Female	3137
14	2016	Male	3077
15	2017	Male	4254
16	2017	Female	4217

Query executed successfully.   DESKTOP-LB6HGFV\SQLEXPRESS ... | DESKTOP-LB6HGFV\pc (79) | Hotel | 00:00:00 | 20 rows