1-

SELECT \*

FROM Hotel;

2-

SELECT guestName

FROM Guest;

3-

SELECT type

FROM Room

WHERE price >= 300;

4-

SELECT r.\*

FROM Room r, Hotel h

WHERE r.hotelNo = h.hotelNo AND LEFT(h.city,1) = 'A' AND r.type = 'Family Room';

5-

SELECT \*

FROM Guest

WHERE guestNo IN

(SELECT guestNo

FROM Booking

WHERE hotelNo =

(SELECT hotelNo

FROM Hotel

WHERE hotelName = 'Akdeniz Hotel'));

6-

DELETE FROM Room

WHERE roomNo IN

(SELECT roomNo

FROM Booking

WHERE 2 <= DATEDIFF(YEAR,dateTo,GETDATE()))

AND hotelNo IN

(SELECT hotelNo

FROM Booking

WHERE 2 <= DATEDIFF(YEAR,dateTo,GETDATE()));

7-

SELECT guestName,guestAddress,COUNT(b.guestNo) AS myCnt

FROM Guest g, Booking b

WHERE b.guestNo = g.guestNo

GROUP BY guestName,guestAddress;

8-

SELECT guestName, SUM(DATEDIFF(day,b.dateFrom,b.dateTo) \* price) AS totalPrice

FROM Booking b,Room r,Guest g

WHERE b.roomNo = r.roomNo AND b.hotelNo = r.hotelNo AND g.guestNo = b.guestNo

GROUP BY guestName;

9-

SELECT hotelName,type,price

FROM Hotel h, Room r , Booking b

WHERE H.hotelNo = R.hotelNo AND b.roomNo = r.roomNo AND B.hotelNo = h.hotelNo AND r.roomNo IN

(SELECT roomNo

FROM Booking

WHERE dateFrom > '2022-03-01' OR dateTo < '2022-03-01')

AND H.hotelNo IN

(SELECT hotelNo

FROM Booking

WHERE dateFrom > '2022-03-01' OR dateTo < '2022-03-01')

GROUP BY hotelName,type,price;

10-

SELECT guestName,hotelName

FROM Hotel h, Booking b, Guest g

WHERE h.hotelNo = b.hotelNo AND g.guestNo = b.guestNo

GROUP BY guestName,hotelName;

11-

SELECT hotelName, COUNT(DISTINCT type) AS typeCount

FROM Hotel h, Room r

WHERE h.hotelNo = r.hotelNo

GROUP BY hotelName;

12-

SELECT guestName,guestAddress,h.hotelName,city

FROM Booking b,Room r,Guest g ,Hotel h

WHERE b.roomNo = r.roomNo AND b.hotelNo = r.hotelNo AND g.guestNo = b.guestNo AND h.hotelNo = b.hotelNo AND dateFrom > DATEADD(year,-1,GETDATE())

GROUP BY guestName,guestAddress,hotelName,city

HAVING SUM(DATEDIFF(day,b.dateFrom,b.dateTo) \* price) > 10000