1-

SELECT \* FROM hotel;

2-

SELECT guestName

FROM guest;

3-

SELECT DISTINCT type

FROM room

WHERE price>300

4-

SELECT r.hotelNo, r.roomNo, r.type, r.price

FROM room r, hotel h

WHERE r.type = "Family Room" AND h.city LIKE 'A%' AND r.hotelNo = h.hotelNo

5-

SELECT g.guestNo, g.guestName, g.guestAddress

FROM guest g, booking b, hotel h

WHERE g.guestNo = b.guestNo AND b.hotelNo = h.hotelNo AND h.hotelName = "Akdeniz Hotel"

6-

DELETE r FROM room r

JOIN(SELECT\* FROM (SELECT b.roomNo, b.hotelNo, max(b.dateTo) AS lastDate

FROM booking b

GROUP BY b.roomNo, b.hotelNo) s1

WHERE datediff(CURRENT\_TIMESTAMP, s1.lastDate)>365\*2) s2

WHERE s2.hotelNo = r.hotelNo

AND s2.roomNo = r.roomNo

7-

SELECT guestName,g.guestAddress,COUNT(b.guestNo) AS totalNumberOfBookings

FROM guest g, booking b

WHERE g.guestNo = b.guestNo

GROUP BY g.guestNo

8-

SELECT s1.guestName, SUM(s1.totalDay\*price) AS totalPrice

FROM (SELECT g.guestName, datediff(dateTo, b.dateFrom) AS totalDay, r.price AS price

FROM guest g, room r, booking b

WHERE b.guestNo = g.guestNo AND r.roomNo = b.roomNo AND r.hotelNo = b.hotelNo) s1

GROUP BY guestName

9-

SELECT h.hotelNo, h.hotelName, h.city, r.roomNo

FROM guest g, hotel h, booking b, room r

WHERE "2022-03-01" NOT BETWEEN b.dateFrom AND b.dateTo

AND g.guestNo= b.guestNo

AND b.hotelNo = h.hotelNo

AND b.hotelNo=r.hotelNo

AND r.roomNo = b.roomNo

10-

SELECT g.guestName, h.hotelName

FROM booking b, guest g, hotel h

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

11-

SELECT COUNT(numberOfEachType)

FROM(SELECT COUNT(type) AS numberOfEachType

FROM room

GROUP BY type) sub

WHERE sub.numberOfEachType = 1

12-

SELECT s2.guestName, s2.guestAddress, s2.hotelName, s2.city

FROM (SELECT s1.guestName AS GuestName,

s1.guestAddress AS GuestAddress,

s1.hotelName AS hotelName,

s1.city AS city,

SUM(s1.totalDay\*price) AS totalPrice

FROM (SELECT g.guestName,

g.guestAddress,

h.hotelName,

h.city,

datediff(b.dateTo, b.dateFrom) AS totalDay,

r.price AS price

FROM guest g, room r, booking b, hotel h

WHERE b.guestNo = g.guestNo

AND r.roomNo = b.roomNo

AND r.hotelNo = b.hotelNo

AND h.hotelNo = r.hotelNo

AND b.dateFrom LIKE '%2021'

AND b.dateTo LIKE '%2021') s1

GROUP BY guestName) s2

WHERE s2.totalPrice > 10000