1.1.

SELECT \*

FROM HOTEL

1.2.

SELECT \*

FROM HOTEL

WHERE city = 'LONDON'

1.3.

SELECT guestName, guestAddress

FROM Guest

WHERE guestAddress LIKE '%LONDON%';

1.4.

SELECT \*

FROM ROOM

WHERE price < 40 and (type = 'Family' or type= 'Double')

ORDER BY price

1.5.

SELECT \*

FROM Booking

WHERE dateTo is null

1.6.

SELECT COUNT(\*) AS numHotels

FROM Hotel;

1.7.

SELECT AVG(price)

from ROOM

1.8.

Select SUM(Price)

From Room

WHERE type = 'Double'

1.9.

SELECT COUNT(distinct guestNo) as TotalAgosto

FROM Booking

Where Month(dateFrom) = 8 or Month(dateTo) = 8 or (MONTH(dateFrom) < 8 and MONTH(dateTo) > 8)

1.10

SELECT r.price, h.hotelName, r.type

FROM ROOM r, HOTEL h

WHERE r.hotelNo = h.hotelNo and hotelName = 'Grosvenor Hotel'

1.11.

SELECT g.guestName

FROM Guest g, Booking b, Hotel h

Where h.hotelName = 'Grosvenor Hotel' and dateTo >= '2020-04-03' and dateFrom < '2020-04-03' and b.guestNo = g.guestNo and b.hotelNo = h.hotelNo

1.12.

SELECT r.roomNo, r.type, r.price, g.guestName

FROM Room r

JOIN Hotel h ON r.hotelNo = h.hotelNo

LEFT JOIN Booking b ON r.roomNo = b.roomNo AND r.hotelNo = b.hotelNo AND '2020-04-03' BETWEEN b.dateFrom AND b.dateTo

LEFT JOIN Guest g ON b.guestNo = g.guestNo

WHERE h.hotelName = 'Grosvenor Hotel';

1.13.

SELECT sum(r.price) as preço

FROM Booking b, Room r, Hotel h

WHERE b.hotelNo = r.hotelNo and b.roomNo = r.roomNo and r.hotelNo = h.hotelNo

and '2020-03-04' BETWEEN b.dateFrom and b.dateTo

and h.hotelName = 'Grosvenor Hotel';

1.14.

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

FROM Room r

JOIN HOTEL h ON r.hotelNo = h.hotelNo

LEFT JOIN Booking b ON r.roomNo = b.roomNo

AND r.hotelNo = b.hotelNo

AND '2020-03-04' BETWEEN b.dateFrom AND b.dateTo

WHERE h.hotelName = 'Grosvenor Hotel' and b.guestNo is null

1.15.

SELECT sum(r.price) as prejuizo

FROM Room r

JOIN Hotel h on r.hotelNo = h.hotelNo

LEFT JOIN Booking b on b.roomNo = r.roomNo

AND b.hotelNo = r.hotelNo

WHERE h.hotelName = 'Grosvenor Hotel' and b.guestNo is null

1.16

SELECT h.hotelName, COUNT(r.roomNo) as totalRooms

FROM Room r, Hotel h

WHERE r.hotelNo = h.hotelNo

GROUP BY h.hotelNo, h.hotelName

1.17

SELECT h.hotelName, COUNT(r.roomNo) as totalRooms

FROM Room r, Hotel h

WHERE r.hotelNo = h.hotelNo and h.city = 'LONDON'

GROUP BY h.hotelNo, h.hotelName

1.18

SELECT COUNT(\*) / COUNT(distinct hotelNo) as mediaAgosto

FROM Booking

WHERE '2020-03-04' BETWEEN dateFrom and dateTo

1.21.

INSERT INTO Hotel(hotelNo, hotelName, city) VALUES

(8230238, 'Miguel', 'Miguel');

1.22.

UPDATE ROOM

SET PRICE = PRICE \* 1.05