

a.

1. SELECT HotelID, HotelName, HotelAddress FROM Hotel;
2. SELECT Hotel.HotelID, Hotel.HotelName, Hotel.HotelAddress
FROM Hotel
JOIN Room ON HotelAddress = 'Surabaya';
3. SELECT Room.RoomID FROM Room
JOIN Booking ON Booking.GuestID = Guest.GuestID
JOIN Guest ON Booking.GuestID = Guest.GuestID
WHERE Guest.GuestAddress = 'Surabaya';
4. SELECT GuestName, GuestAddress FROM Guest
WHERE GuestAddress = 'Surabaya';
5. SELECT FROM Room
WHERE (Room.Type = 'Double' OR Room.Type = 'Family') AND Room.Price < 1500000;

b.

1. SELECT ProductName FROM Product
WHERE Colour = 'Black';
2. SELECT Catalog.Price FROM Product
JOIN Catalog ON Product.ProductID = Catalog.ProductID
WHERE Product.Colour = 'Black' OR Product.Colour = 'White';
3. SELECT Catalog.StoreID FROM Product
JOIN Catalog ON Product.ProductID = Catalog.ProductID
WHERE Product.Colour = 'Black' OR Product.Colour = 'White';
4. SELECT C1.StoreID FROM Catalog C1
JOIN Product P1 ON C1.ProductID = P1.ProductID
JOIN Catalog C2 ON C1.StoreID = C2.StoreID
JOIN Product P2 ON C2.ProductID = P2.ProductID
WHERE P1.Colour = 'Black' AND P2.Colour = 'White';
5. SELECT DISTINCT Store.StoreName FROM Product
JOIN Catalog ON Product.ProductID = Store.StoreID
JOIN Store ON Catalog.StoreID = Store.StoreID
WHERE Product.Colour = 'Black' OR Product.Colour = 'White';