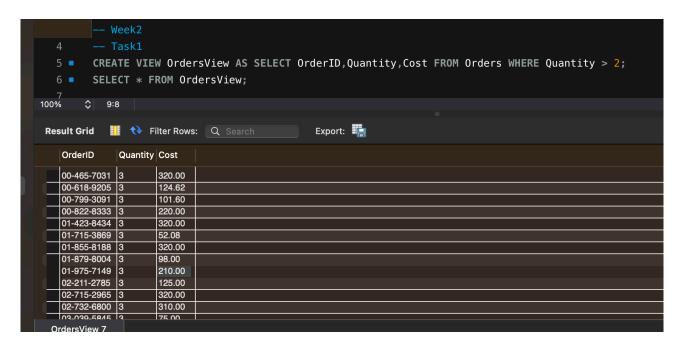
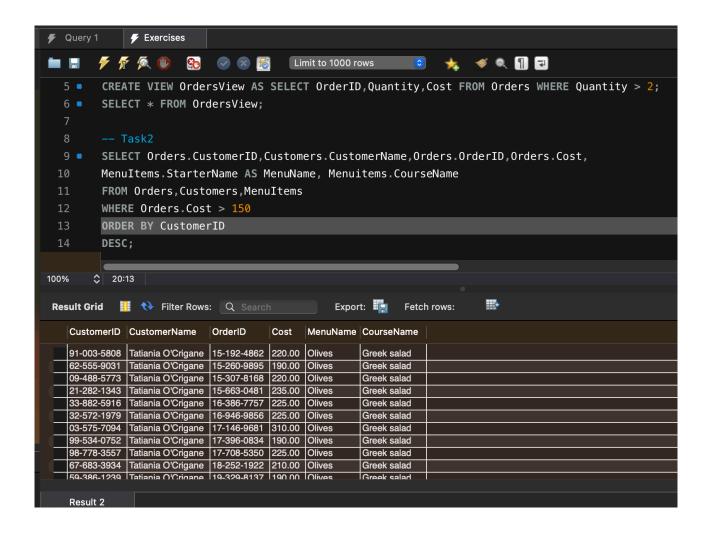
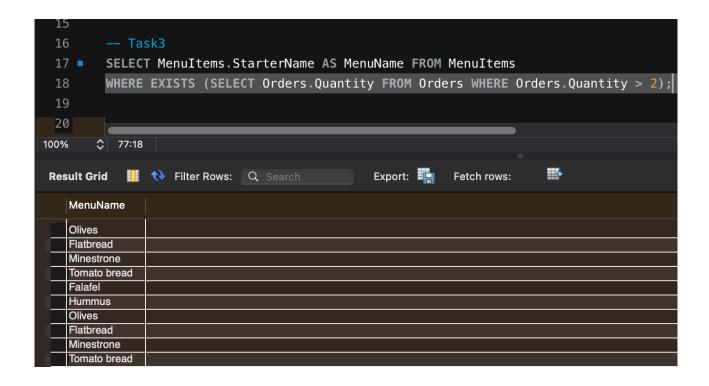
Please check my implementation of all exercises from the following captures.

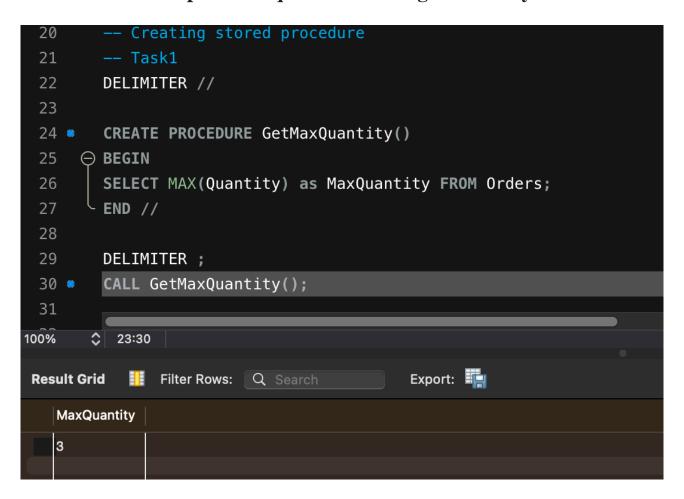
Exercise: Create a virtual table to summarize data







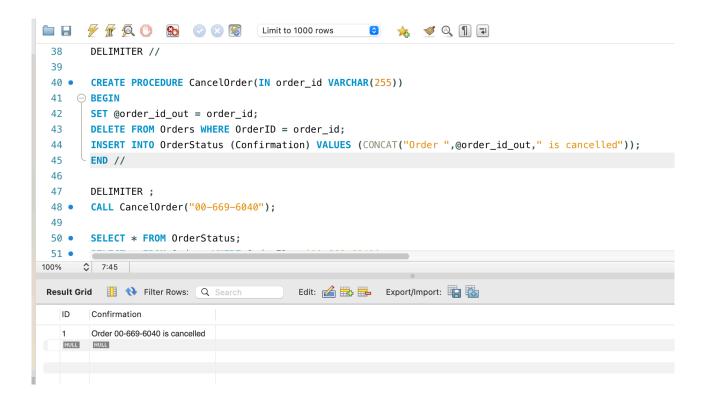
Exercise: Create optimized queries to manage and analyze data



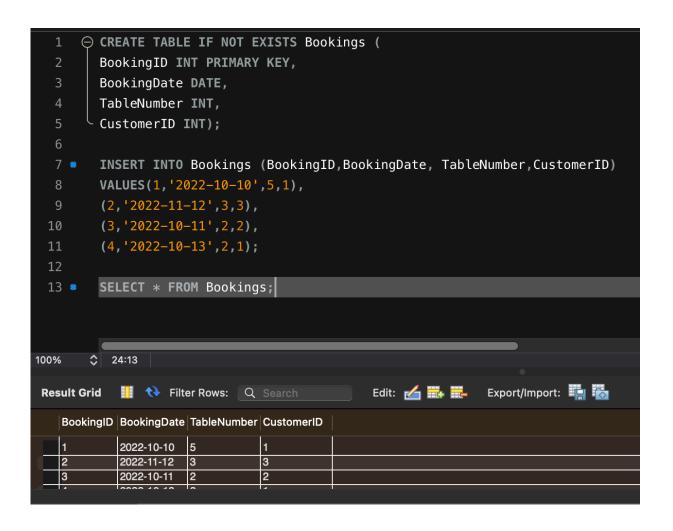
```
31
32 -- Task2 Creating prepared statement
33 • PREPARE GetOrderDetail FROM "SELECT OrderID, Quantity, Cost FROM Orders WHERE OrderID = ?";
34 • SET @id = '03-132-2890';
35 • Execute GetOrderDetail using @id;
36

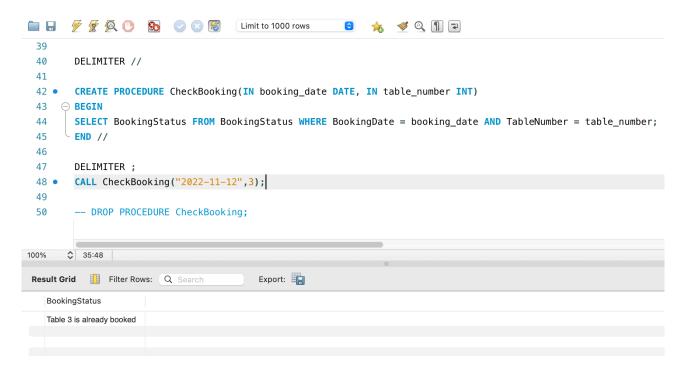
100% $\rightarrow$ 34:35

Result Grid | Filter Rows: Q Search Export: | Result Grid | Filter Rows: Q Search | Filter Rows: Q Sear
```



Exercise: Create SQL queries to check available bookings based on user input





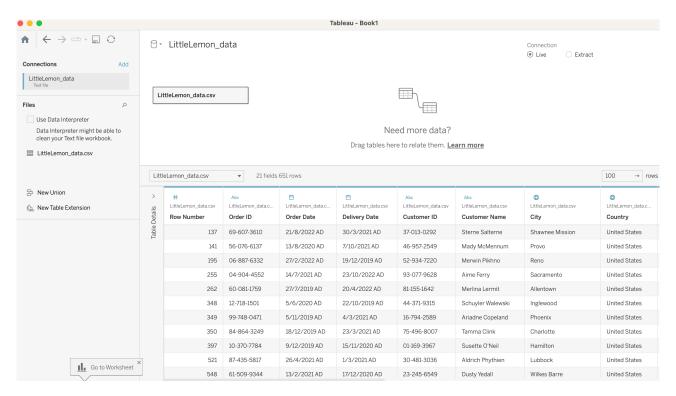
```
55 • CREATE PROCEDURE AddValidBooking(IN booking_date DATE, IN table_number INT)
     ⊝ BEGIN
             SET @b_date = booking_date;
             SET @t_number = table_number;
             START TRANSACTION;
             INSERT INTO Bookings(BookingID, BookingDate, TableNumber, CustomerID) VALUES(6, @b_date, @t_number, 5);
             IF EXISTS(SELECT * FROM Bookings WHERE BookingDate = @b_date AND TableNumber = @t_number) THEN
                 INSERT INTO BookingStatus(BookingDate,TableNumber,BookingStatus)
                 VALUES(@b_date,@t_number,CONCAT("Table ",TableNumber," is already booked - booking cancelled"));
                 COMMIT;
             END IF;
       L END //
        DEI TMTTED
100%
       $ 35:73
Result Grid ## Tilter Rows: Q Search
                                               Export:
   BookingStatus
   Table 6 is already booked

Table 6 is already booked - booking cancelled
```

LittleLemon Data Analysis with Tableau

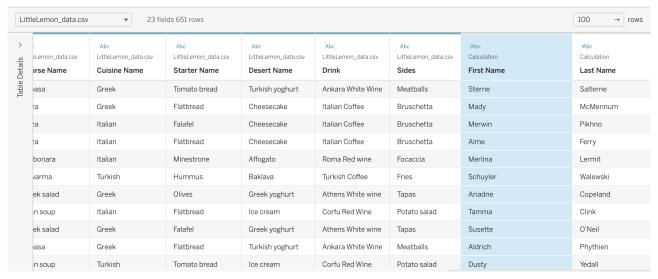
Exercise: Set up the Tableau Workspace for data analysis

Task 1



Task 2



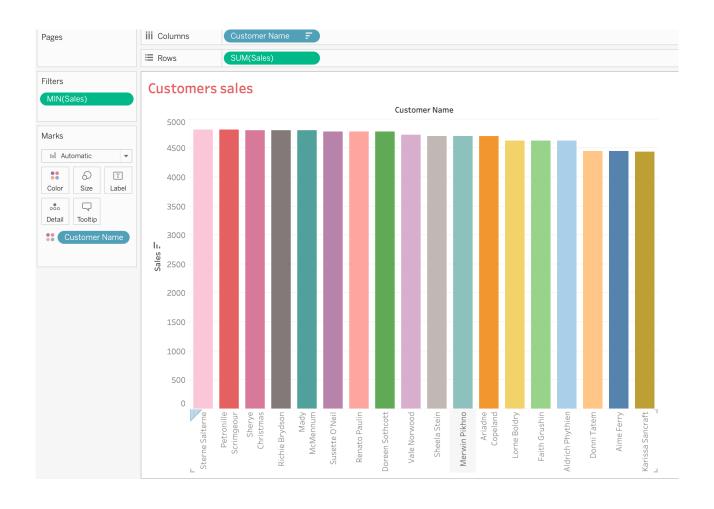


Task 3

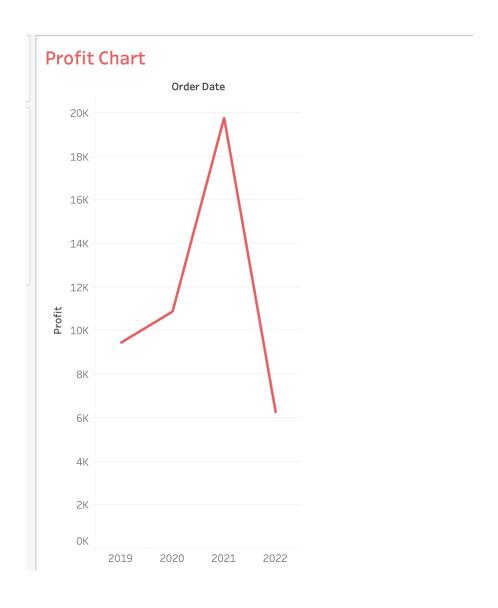
a.csv	# LittleLemon_data.c Cost	# LittleLemon_data.c Sales	=# Calculation Profit	l
	190.000	285.000	95.000	
	144.090	216.135	72.045	
	125.000	187.500	62.500	
	91.840	137.760	45.920	
	235.000	352.500	117.500	
	119.800	179.700	59.900	
	125.000	187.500	62.500	
	235.000	352.500	117.500	
	320.000	480.000	160.000	
	52.080	78.120	26.040	
	235.000	352.500	117.500	

Exercise: Create interactive dashboard for sales and profits

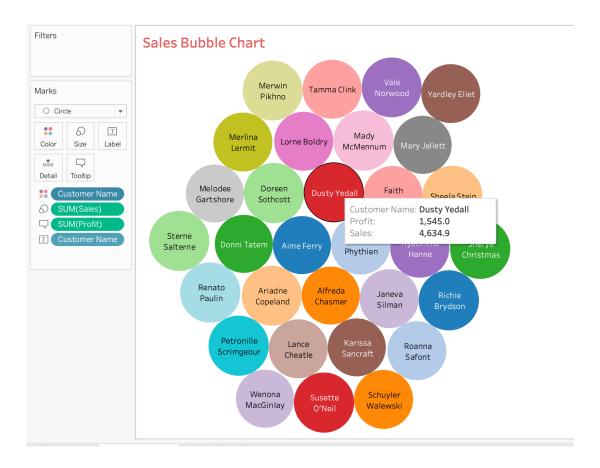
Task 1



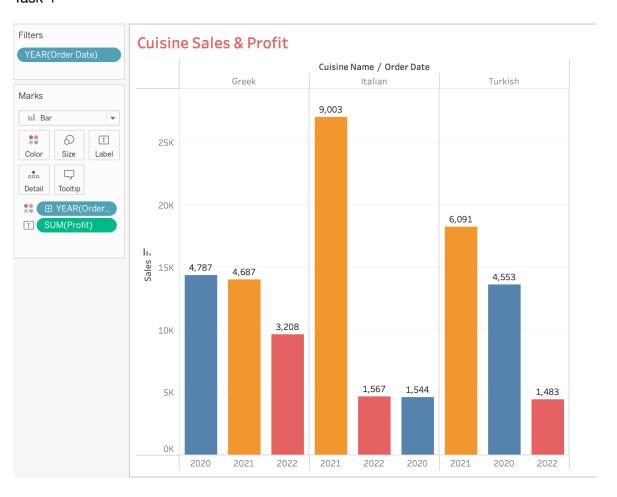
Task 2



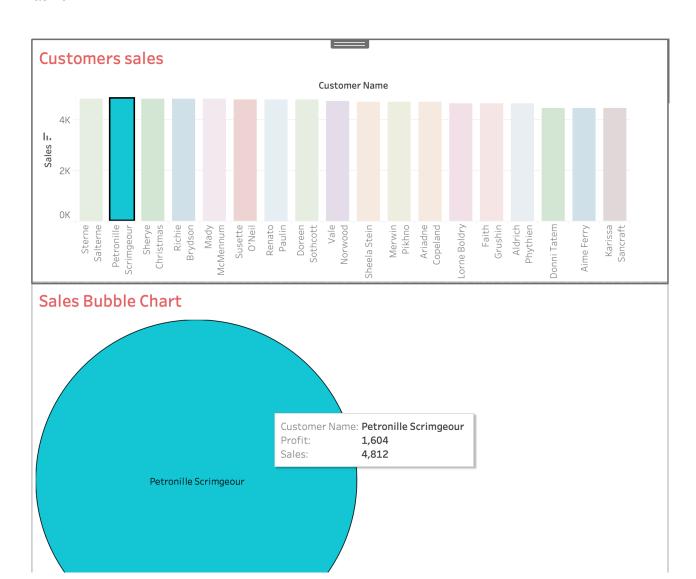
Task 3



Task 4



Task 5



Exercise: Set up the client project

Task 1

Task 2

Jupyter notebook installed.

Task 3

mysql-connector-python installed.

Exercise: Add query functions

Task 1 & Task 2

Task 3

Tn []