Question 1:

```
---- Create table to track total successful orders per day
CREATE TABLE foodpanda-assessment-
415715.Foodpanda_own_food_brands.Successful_Orders_Per_Day AS
SELECT date_local, COUNT(*) AS total_successful_orders
FROM `foodpanda-assessment-415715.Foodpanda_own_food_brands.orders`
WHERE is_successful_order = TRUE
GROUP BY date_local;
```

Q2:

```
-- Create table to track number of customers who have placed at least one successful order
CREATE TABLE Foodpanda_own_food_brands.Customers_With_At_Least_One_Order AS
SELECT COUNT(DISTINCT customer_id) AS total_customers_with_successful_orders
FROM `foodpanda-assessment-415715.Foodpanda_own_food_brands.orders`
WHERE is_successful_order = TRUE;
```

Q3:

```
-- Creating a new table named Successful_Orders_Per_Restaurant_Per_Day
CREATE TABLE Foodpanda_own_food_brands.Successful_Orders_Per_Restaurant_Per_Day
AS

-- Selecting the date_local, vendor_name, and total successful orders per restaurant per day
SELECT
    o.date_local,
    v.vendor_name,
    COUNT(*) AS total_successful_orders

-- Joining the Orders and Vendors tables on vendor_id to get vendor_name
FROM `foodpanda-assessment-415715.Foodpanda_own_food_brands.orders` AS o
JOIN (
    SELECT id, vendor_name
```

```
    FROM `foodpanda-assessment-415715.Foodpanda_own_food_brands.vendors`
) AS v
ON o.vendor_id = v.id

-- Filtering for successful orders
WHERE o.is_successful_order = TRUE

-- Grouping the results by date_local and vendor_name to calculate total successful orders per restaurant per day
GROUP BY o.date_local, v.vendor_name;
```

Q4.

```
-- Creating the table Average_Products_Per_Order_Per_Day
CREATE TABLE Foodpanda_own_food_brands.Average_Products_Per_Order_Per_Day AS

-- Selecting date_local and average number of products per order per day
SELECT
    date_local,
    AVG(products_count_per_order) AS avg_products_per_order_per_day
FROM (
    -- Subquery to calculate the product count per order
    SELECT
        date_local,
        (LENGTH(product_id) - LENGTH(REPLACE(product_id, ',', '')) + 1) AS products_count_per_order
    FROM Foodpanda_own_food_brands.orders
    WHERE is_successful_order = TRUE
) AS subquery
GROUP BY date_local;
```

Q5.

```
-- Create table to track number of customers who have reordered at least once between 9th October 2012 and 15th October 2012
CREATE TABLE Foodpanda_own_food_brands.Customers_With_Reorders_Last_7_Days AS
-- Select count of distinct customers who have reordered
SELECT COUNT(DISTINCT customer_id) AS total_customers_with_reorders_last_7_days
FROM (
    -- Subquery to select customer IDs who have reordered within the specified period
    SELECT customer_id
    FROM `foodpanda-assessment-415715.Foodpanda_own_food_brands.orders`
    -- Filter for successful orders between 9th October 2012 and 15th October 2012
    WHERE is_successful_order = TRUE
    AND date_local BETWEEN '2012-10-09' AND '2012-10-15'--for present timelinedate_local BETWEEN DateAdd(DD,-7,GETDATE() ) and GETDATE() this function can be also used
    -- Group by customer ID to count distinct orders
    GROUP BY customer_id
    -- Filter to include only customers who have reordered at least once
    HAVING COUNT(is_successful_order) > 1
) AS subquery;
```