Code Glossary

Module 3: Advanced Functions on Single Tables in SQL

1. To find the percentage change in weekday and weekend revenue over the months from the dataset:

```
SELECT *.
round(((total_revenue-previous_rev)/previous_rev)*100) as
Percentage_Change
             FROM
              SELECT *,
              LAG(total_revenue) OVER (partition by Day_of_week) as
previous_rev
              FROM
            (
             SELECT
             CASE
              WHEN DAYOFWEEK(order_date) BETWEEN 2 AND 6 THEN
'Weekday'
              WHEN DAYOFWEEK(order_date) IN (1, 7) THEN 'Weekend'
             END AS Day_of_week,
             Month(order_date) AS Month,
             Round(SUM(final_price),o) AS total_revenue
             FROM orders
             GROUP BY Day_of_week, Month
            ORDER BY Day_of_week)
            t1
         )
      t2;
```

2. To find the average delivery time over the months from the dataset:

```
SELECT Month(order_date) AS Month,

AVG(TIMESTAMPDIFF(MINUTE, order_time, delivered_time)) AS

average_delivery_time

FROM orders

GROUP BY Month;
```

3. To rank the the drivers and find the drivers with the least average delivery time over the months from the dataset: