## Assignment result

1) What was the highest number of people travelled in which year?

Code:

```
dataset.groupBy(col( colName: "year")) RelationalGroupedDataset
          .agg(sum(col( colName: "total_no_of_booked_seats")).as( alias: "no_of_people_travelled")) Dataset<Row>
          .orderBy(desc( columnName: "no_of_people_travelled")).limit( n: 1).show();
```

Output:

```
+---+
|year|no_of_people_travelled|
+---+
|2007| 176299|
+----+
```

2) Identifying the highest revenue generation for which year?

Code:

Output:

3) Identifying the highest revenue generation for which year and quarter (Common group)?

Code:

```
dataset.groupBy(col( colName: "year"), col( colName: "quarter"))
    .agg(sum(col( colName: "average_revenue_per_seat").multiply(col( colName: "total_no_of_booked_seats")))
    .cast( to: "Decimal(10,2)").as( alias: "average_revenue_per_quarter")
    ).orderBy(desc( columnName: "average_revenue_per_quarter")).limit( n: 1).show();
```

Output:

\*\*Note: Please find the GitHub repository (<a href="https://github.com/bithalb2/socgen-batch3-assignment">https://github.com/bithalb2/socgen-batch3-assignment</a>) for details.