**Airline Data Question Set**

Q1) Find the average price of non-stop flights and flights with stops. Create a bar chart to compare the average prices of these two types of flights.

Q2) Find the flight with the longest duration and display its details.

Q3) What are the top 5 most frequent routes among all the flights?

Q4) How many flights are available on each day of the week? Create a bar chart to show the number of flights for each day.

Q5) Find the source and destination pairs with more than 1000 flights. Display the result in a table and create a bar chart to show the number of flights for each popular source-destination pair.

Q6) Categorize the flights based on their departure time into Morning, Afternoon, Evening, and Night. Create a bar chart to show how many flights depart in each of these time categories.

Q7) Calculate the average flight price for each number of stops and visualize the results in a bar chart?

Q8) Create a line chart showing the trend of average flight prices over each day of the month.

Q9) Create a horizontal bar chart showing the top 5 routes with the highest average flight price.

Q10) Generate a violin plot to compare flight price distributions across the top 4 airlines.