Technical Assessment

Business Intelligence Analyst

1. Using the data provided, calculate the % of bookings that fall under each urgency segment.
    a. Bookings made within 2 hours of pick up time
    b. Bookings made between 2-4 hours
    c. Bookings made between 4-12 hours
    d. Bookings made between 12-24 hours
    e. Bookings made between 1-2 days
    f. Bookings made with 2 days
    g. Bookings made between 3 – 7 days
    h. Bookings made between 1-2 weeks
    i. Bookings made over 2 weeks ahead of pick up time

Which segment amongst these have the highest contribution in Bangalore and in Mumbai? What is the revenue contribution of that segment in the two cities?

2. You are given two tables – one containing all the bookings that were executed by savaari and the second containing customer feedback for some of the bookings. Query data to display the data in the following format.

City	Trip Type	Bookings Executed	No. of Feedbacks Received	Execution Revenue

3. Use Tableau and/or R to calculate the same data as above but now at the city level as well as at a monthly level within each city and display it in a single view. Format provided below

	City level			Month level			
City	Bookings Executed	Feedback Received	Execution Revenue	Month	Bookings Executed	Feedback Received	Execution Revenue
Bangalore	250	25	750000	Jan-19	100	7	300000
				Feb-19	75	10	225000
				Mar-19	75	8	225000

4. The following data shows the number of bookings and revenue we generated in the last one month in the give routes. Based on the numbers, suggest minor changes/increments that can be made to the business to improve the numbers by 30 to 40 bookings per month

Route	Bookings	Revenue
Mumbai -> Pune	54	121081
Pune -> Mumbai	54	117931
Bangalore -> Mysore	36	82178
Mumbai -> Lonavala	22	37842
New Delhi -> Agra	22	50289
New Delhi -> Chandigarh	16	45019
Mysore -> Bangalore	36	79457
Chennai -> Vellore	11	28182
Mumbai -> Shirdi	11	33002
Agra -> Delhi	22	55656
Chandigarh -> New Delhi	16	42168