Guidance to Complete the Test:

- Read the case & associated questions carefully

- Submission document format: Presentation format (.ppt / keynote / etc). You may choose to use English or Bahasa to describe your answers.

- Average duration to complete the task: 2.5 hours

- Complete the task by submitting the presentation not later than 24 hours after you received the test link from email sent by team@aksel.co.id

Analytics, Statistics, & SQL Related Questions

A. Problem Solving Skill

Consider, there is a student whose math grades are going down and he wants to improve his grade. Please help this student to solve his problem by applying problem solving procedures (understanding the current situation, identifying the root cause of the problem, and developing an effective action plan). Please use the logic tree for helping you deliver the answer.

B. Basic Statistic

Suppose we have these following data about sales performance from 2 different stores within the last 7 days. The investors of these two stores want to know the store performance.

Store A

Date	1	2	3	4	5	6	7
#sales	2	4	3	4	6	8	3

Store B

Date	1	2	3	4	5	6	7
#sales	2	50	3	4	6	90	3

Please give the investor insight about the total daily sales for each store? What's the value that is most suitable for describing total daily sales for each store?

C. Basic SQL

Write a query to get the latest information about room availability for each hospital.
Input:

table_name: tracking.rs						
hospital_name	**room_type**	**room_spec**	**availability**	**empty**	**address**	**published_time stamp**
RS Umum Daerah Pidie Jaya	Tempat Tidur Covid 19	ICU Tekanan Negatif tanpa Ventilator	4	1	Jl. Banda - Aceh KM. 158, Meureudu	19-05-2021 17:28:36
RS Umum Daerah Pidie Jaya	Tempat Tidur Covid 19	ICU Tekanan Negatif tanpa Ventilator	4	3	Jl. Banda - Aceh KM. 158, Meureudu	19-05-2021 15:28:36
RS Umum Daerah Pidie Jaya	Tempat Tidur Covid 19	ICU Tekanan Negatif tanpa Ventilator	4	2	Jl. Banda - Aceh KM. 158, Meureudu	19-05-2021 14:28:36
RS Umum Daerah Pidie Jaya	Tempat Tidur Covid 19	ICU Tekanan Negatif tanpa Ventilator	4	4	Jl. Banda - Aceh KM. 158, Meureudu	19-05-2021 13:28:36
RS Umum Daerah Sabang	Tempat Tidur Covid 19	Isolasi Tanpa Tekanan Negatif	10	1	Jl. Teuku Umar Sabang	18-05-2021 20:23:38
RS Umum Daerah Sabang	Tempat Tidur Covid 19	Isolasi Tanpa Tekanan Negatif	10	8	Jl. Teuku Umar Sabang	18-05-2021 17:23:38
RS Umum Daerah Sabang	Tempat Tidur Covid 19	Isolasi Tanpa Tekanan Negatif	10	6	Jl. Teuku Umar Sabang	18-05-2021 15:23:38
RS Umum Daerah Sabang	Tempat Tidur Covid 19	Isolasi Tanpa Tekanan Negatif	10	5	Jl. Teuku Umar Sabang	18-05-2021 10:23:38

RS Umum Daerah Sabang	Tempat Tidur Covid 19	Isolasi Tanpa Tekanan Negatif	10	4	Jl. Teuku Umar Sabang	18-05-2021 08:23:38
RS Umum Daerah Sabang	Tempat Tidur Covid 19	Isolasi Tanpa Tekanan Negatif	10	3	Jl. Teuku Umar Sabang	18-05-2021 07:23:38

Output :

hospital_name	room_type	room_spec	availability	empty	address	published_time stamp

RS Umum Daerah Pidie Jaya	Tempat Tidur Covid 19	ICU Tekanan Negatif tanpa Ventilator	4	1	Jl. Banda - Aceh KM. 158, Meureudu	19-05-2021 17:28:36

RS Umum Daerah Sabang	Tempat Tidur Covid 19	Isolasi Tanpa Tekanan Negatif	10	1	Jl. Teuku Umar Sabang	18-05-2021 20:23:38