a. Industrial Talk and Visit:

The industrial talk and visit provided valuable insights into the practical applications of system development, particularly in the field of data engineering and analysis. Qistina Azman's journey from academia to industry highlighted the importance of real-world projects and hands-on experience. The emphasis on sourcing data from various platforms, including social media, demonstrated the significance of diverse data sets in shaping business strategies.

The use of utility tools such as PostgreSQL, ClickHouse, and Druid, along with visualization tools like Tableau and PowerBI, showcased the technological landscape in data analysis. Furthermore, the integration of Airflow and Spark for ETL and ELT tasks illustrated the complexity and scalability required in managing large datasets.

The history and description of the data collection process, from organizing information into databases to the final phase of visualization, provided a comprehensive understanding of the journey from raw data to meaningful insights.

b. Suggestions for Improvement:

- While the talk covered a broad range of tools and technologies, more specific examples or case studies could enhance the understanding of their practical implementation.
- Providing more details on the challenges faced during real-world projects and how they were overcome would offer valuable insights for aspiring system developers.
- Incorporating interactive elements, such as Q&A sessions or discussions, would engage the audience and encourage a deeper understanding of the topics discussed.

c. Other Reflections:

- The commitment to continuous improvement and adaptability resonates with the dynamic nature of technology. The focus on resilience and learning from setbacks aligns with the mindset required for success in the field.
- The integration of programming languages such as SQL, Python, and Bash syntax, along with a variety of visualization tools, emphasizes the multidimensional skill set needed for effective system development.

- The shared vision of becoming proficient system developers over the next four years reflects a commitment to ongoing learning, practical application of knowledge, and adaptability to industry trends.

In conclusion, the industrial talk and visit, combined with reflections from individual journeys, have provided a holistic view of the challenges and opportunities in system development. The commitment to continuous learning, practical experiences, and adaptability positions the individuals on a path towards becoming skilled and accomplished professionals in the tech industry.