This morning, I visited a SWU company to analyze data and explain how artificial intelligence is used. SWU, as a public company and energy company, was responsible for creating a smart city by analyzing citizens' data. It was nice to be able to see various data visually and to see what we learned such as CRISP-DM. Various snacks were provided in the middle, and it was nice to receive a cup as a gift. At the end of the explanation, we heard the explanation of the hackathon we have to do next week. Based on 'leads in sales' using customer data, how to structure data and how to market well were given tasks to us. I heard that I use the LLM API using the company account, but I couldn't think of an idea because I didn't hear the specific topics or methods.

After lunch, I learned the theory related to Langchain, focusing on the code. It was interesting to call the pretrained model with the hugging face and use it locally. There were various processes, but it was impressive to use prompts to generate output from the model. I was able to recognize the importance of prompt engineering. I first learned the RAG model that combined search and generation, and I was able to understand the six processes (document loader, text split, text embedding model, vector store, retriever, and prompt engineering) through the code. Next, in Chapter 3.5, we learned how to use the LLM model for classification rather than generation. Unlike before, openai's gpt3.5 was used here. I could see how to do fine tuning.