Task II
Understanding Relational Data and Framing a Problem Statement

Data Modelling:

- All the data in the 3 tables will be merged & used

Strategic Planning

- **Data preparation:**
  - Use the data model to merge the data from all three tables
  - Clean the data, remove any outliers and missing data

- **Feature engineering:**
  - Create new features
  - Transform the data into a suitable format for machine learning

- **Model Iteration & Evaluation:**
  - Test algorithms with cross-validation
  - Measure performance metrics
  - Hyperparameter optimisation

- **Production Development**
  - Productionising the algorithm as an API

- **Quality Assessment & DevOps**
  - Ensure the model is performing as expected & Integrate the model

Cognizant