**Prompt:**

I’m building a domain-specific AI agent which take a user instruction as input and generate a workflow as output. The domain is for analyzing yield based on test data collected from a semiconductor chip production line. Can you give me a list of user queries? A goal-oriented query might need multiple instructions to complete. Please give me 20 simple-goal oriented queries, 20 moderate goal-oriented queries, 20 complex goal-oriented queries, and 20 multi goal-oriented queries. Below is the semiconductor test context.

\*\*Context:\*\*

<insert scope description>

\*\*Example queries:\*\*

\*\*Simple Goal-Oriented Queries\*\*

1. Monitor the yield performance of recent lots and highlight any anomalies.

\*\*Moderate Goal-Oriented Queries\*\*

1. Identify patterns in yield issues over a specified time period.

\*\*Complex Goal-Oriented Queries\*\*

1. Find correlation between yield drops and manufacturing process changes.

\*\*Multi Goal-Oriented Queries\*\*

1. Do you see any significant correlation between the PCM test parameters and the ft1 yield for project ABC over the last three months, particularly in cases where the yield falls below our target yield? If such a correlation exists, could you identify the specific soft bin range(s) that are associated with these PCM test parameters, and provide any recommendations for next steps?