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Lab Deliverable - Task 9

Created the Langraph pipeline which works in this sequential process:

1. Facts retrieval, in which we retrieve the facts from the KB (knowledge base)
2. Relevancy, where we check if the question is relevant to the data we have on hand, for example if the user asks “who is the president” while our KB contains information about a family tree (the demo) we can make sure not to spend any computation on it.
3. Refinement, here we then use the actual logic to help define something given a natural language response. In this demo we talk about grandparents, where we call the python grandparents function and search through each parent and grandparent list to find the relevant matches while filtering out duplicates.
4. Then we output finally based on the query.

[Github Repo Link](#)

Sample output

```
saketh | MachPro | ~/Desktop/AIEA_task9/langchainAI_langGraph | main ↑1
python lang_graph.py

== FINAL ANSWER ==
Grandparent(s) of lisa: mary

saketh | MachPro | ~/Desktop/AIEA_task9/langchainAI_langGraph | main ↑1
```