This chatbot is a simple, rule-based system designed to answer predefined financial queries based on previously analysed data. The chatbot can respond to common financial questions, such as total revenue, net income changes, total assets, and cash flow from operating activities.

The chatbot uses basic if-else statements to match user input with predefined financial queries. When a user sends a query (either through the command-line interface or the web-based Flask app), the chatbot checks if the query matches any of the predefined ones. If it matches, the chatbot returns a predefined response based on the financial data analysed in Task 1. The chatbot supports interaction through: - A command-line interface (CLI) using the `input()` function. - A Flask web application that processes queries via a web URL.

The chatbot can respond to the following predefined financial queries:

1. "What is the total revenue?" - Response: "The total revenue is $198 billion."

2. "How has net income changed over the last year?" - Response: "The net income has increased by 12% over the last year."

3. "What are the total assets?" - Response: "The total assets are $411 billion."

4. "What is the cash flow from operating activities?" - Response: "The cash flow from operating activities is $92 billion."

Limitations:

- Predefined Queries Only: The chatbot can only answer a fixed set of predefined queries. It cannot handle new or complex questions outside of this list.

- No Natural Language Processing (NLP): The chatbot doesn’t understand natural language nuances or complex questions. It simply matches exact strings (queries) to provide responses.

- No Learning or Contextual Understanding: This is a rule-based system, so the chatbot doesn’t learn from previous interactions or provide contextual answers.