AI-Driven Development - 30-Days Challenge

❈ PART A-(Research Questions)

1-What new improvements were introduced in Gemini 3.0?

Ans) Gemini 3.0 brings major upgrades in reasoning, multimodal understanding and coding ability. It performs better than Gemini 2.5 Pro in all key benchmarks.

Key Improvements:

- ✓ **Stronger reasoning:-**
- ✓ Handles complex, multi-step tasks with higher accuracy.
- ✓ **Enhanced multimodal skills:-**
- ✓ Better understanding of text, images, audio, video and code.
- ✓ **Developer focused:-**
- ✓ Works smoothly with Gemini CLI, Android Studio, Antigravity and other IDEs.
- ✓ **AI Powered workspace:-**
- ✓ Gemini can plan, write, test, debug and run entire projects on its own.

2-How does Gemini 3.0 improve coding & automation workflows?

Ans) Gemini 3.0 automates coding through advanced reasoning a large context window and strong tool integration. It can write, run, debug and refractor code automatically, understand full codebases and use tools like Antigravity IDEs and Gemini CLI to automate testing, file generation and complex workflows.

3-How does Gemini 3.0 improve multimodal understanding?

Ans) Gemini 3.0 processes multiple data type such as text, images, audio, video and code simultaneously with improved visual, spatial and video reasoning. Its large context window helps it handle long documents or videos without losing context, enabling more accurate and unified responses.

4-Name any two developer tools introduced with Gemini 3.0?

Ans) Two developer tools introduced with Gemini 3.0 are:

- 🔸 **Google Antigravity**

  An AI powered workspace for autonomous coding, planning, and task execution.

- 🔸 **Gemini CLI 3.0**

  A command line tool that assists with coding, debugging and automating workflows efficiently.

❊ PART B — Practical Task (Screenshot)

➢ Update the Gemini 3.0 model
➢ Using the /model command in Gemini CLI, update the Gemini model to the latest version (3.0).