

AI-Driven Development – 30 Day Challenge

Task 3

PART A – Research Questions

Short Answers

Q1. What new improvements were introduced in Gemini 3.0?

My Answer:

- Gemini 3 is Google’s most powerful multimodal reasoning model so far, capable of advanced coding, planning, analysis, and automation.
- Gemini 3 can think, reason, and solve complex problems better than previous models.

Q2. How does Gemini 3.0 improve coding & automation workflows?

My Answer:

- Gemini 3 can handle routine coding tasks, setup and boilerplate automatically.
- Generates more accurate, efficient and readable code.
- Works with AI agents (like in Gemini CLI) to execute multi-step work flows from high-level instructions
- Works well with IDEs, version control and other tools to make coding faster and smoother

Q3. How does Gemini 3.0 improve multimodal understanding?

My Answer:

- Gemini 3 can process and understand text, images and possibly audio or other inputs together. This is called “multimodal” because it handles many modes of information, not just text.
- For example, it can read a text instruction and understand an accompanying image to perform a task correctly
- Gemini 3 gives outputs that make sense considering all the information it receives.

Q4. Name any two developer tools introduced with Gemini 3.0.?

My Answer:

The two main developer tools that were introduced alongside Gemini 3.0 are:

1. Google Antigravity:

- A new AI-powered development platform. It lets developers work with intelligent agents that can plan and execute complex coding tasks automatically across the editor, terminal, and browser. It makes the IDE “agent-first,” meaning AI collaborates with you as a full partner.

2. Gemini CLI Enhancements:

- The Gemini command-line tool is now more powerful. It includes a client-side and server-side bash tool, letting Gemini 3 propose and run complex shell commands, manage files, and automate development workflows using natural language instructions.

PART B

My Answer:

The Task in Part B is completed successfully and screenshot will be provided with this document