

PART A

Research Questions (Short Answers)

1. What new improvements were introduced in Gemini 3.0?

Gemini 3.0 introduces major upgrades in reasoning, long-context processing, faster inference speed, improved multimodal abilities, and better code generation. It also supports more efficient on-device performance, stronger memory handling, and lower latency for real-time tasks.

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

Gemini 3.0 provides more accurate code completion, stronger debugging, improved agentic reasoning for multi-step tasks, and faster execution. It also integrates directly with development tools, enabling automated refactoring, test generation, and workflow automation with fewer errors.

3. How does Gemini 3.0 improve multimodal understanding?

Gemini 3.0 can understand images, text, audio, video, and complex documents with higher accuracy. It has better object recognition, improved OCR, stronger vision-language alignment, and more detailed reasoning about multimodal inputs, making it ideal for real-world applications.

4. Name any two developer tools introduced with Gemini 3.0.

- Gemini Developer Console (updated version)
- Gemini Code Assist (AI coding assistant)

Other options include: Gemini API, Gemini Nano on-device tools, Gemini CLI upgrades, and Studio updates.

PART B

Practical Task

Task:

Update your Gemini model to **Gemini 3.0** using the /model command in the Gemini CLI.

File Edit Selection View Go Run ... ← → 🔍 CLITASK

OUTPUT DEBUG CONSOLE TERMINAL PORTS

TERMINAL

i Request cancelled.

> /models kist

✗ Unknown command: /models kist

> /model

Select Model

Gemini 3 is now enabled.
To disable Gemini 3, disable "Preview features" in /settings.
Learn more at <https://goo.gle/enable-preview-features>

When you select Auto or Pro, Gemini CLI will attempt to use gemini-3-pro-preview first, before falling back to gemini-3.

1. Auto
Let the system choose the best model for your task.
- 2. Pro (gemini-3-pro-preview, gemini-2.5-pro)
For complex tasks that require deep reasoning and creativity
3. Flash (gemini-2.5-flash)
For tasks that need a balance of speed and reasoning
4. Flash-Lite (gemini-2.5-flash-lite)
For simple tasks that need to be done quickly

To use a specific Gemini model on startup, use the --model flag.

(Press Esc to close)

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