(AIDD) 30 Days Challenge Task-3

PART-A (Question / Answers)

QUESTION 1: What new improvements were introduced in Gemini 3.0?

ANSWER : Gemini 3.0 introduces architectural changes focused on control and reliability, including a 1 million-token context window and fine-grained API controls such as thinking_level (to adjust reasoning depth) and media_resolution (to manage token usage for visual inputs).1 It also implements "Thought Signatures," a mandatory mechanism for passing encrypted state tokens to prevent reasoning drift during complex tasks, and demonstrates state-of-the-art reasoning with a 91.9% score on GPQA Diamond.3

QUESTION 2 : How does Gemini 3.0 improve coding & automation workflows?

ANSWER : The model improves coding workflows through a quantitative 17% increase in code generation success rates compared to Gemini 2.5 Pro.2 For automation, it enforces reliability in multi-step agentic tasks using "Thought Signatures," which allow the agent to maintain its exact internal state and logic across long execution sequences without losing context.2

QUESTION 3 : How does Gemini 3.0 improve multimodal understanding?

ANSWER : Gemini 3.0 is described as the "best model in the world for multimodal understanding," capable of seamlessly synthesizing and reasoning across text, images, video, audio, and code simultaneously.5 It moves beyond simple recognition to deep analysis, enabling capabilities such as translating handwritten recipes into digital formats, analyzing

temporal dynamics in sports videos, and creating web interfaces from complex visual and textual prompts.5

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

ANSWER : Two key developer tools associated with this release are Google Antigravity, a new platform specifically for building and orchestrating AI agents, and the enhanced Agent Mode within Gemini Code Assist (available in VS Code and IntelliJ), which leverages Gemini 3.0 for complex pair programming tasks.2

PART - B (Practical Task)

Step 1: Enable Preview Features (Prerequisite)

Gemini 3.0 is currently rolling out as a preview. To ensure it is available in your selection menu:

1. Type `/settings` in your Gemini CLI prompt and press **Enter**.
2. Locate the **Preview features** option in the settings menu.
3. Toggle it to **True** (or Enabled).
4. Save/Exit the settings menu.

Step 2: Switch to Gemini 3.0

Once preview features are enabled, you can switch your active model using the `/model` command as requested.
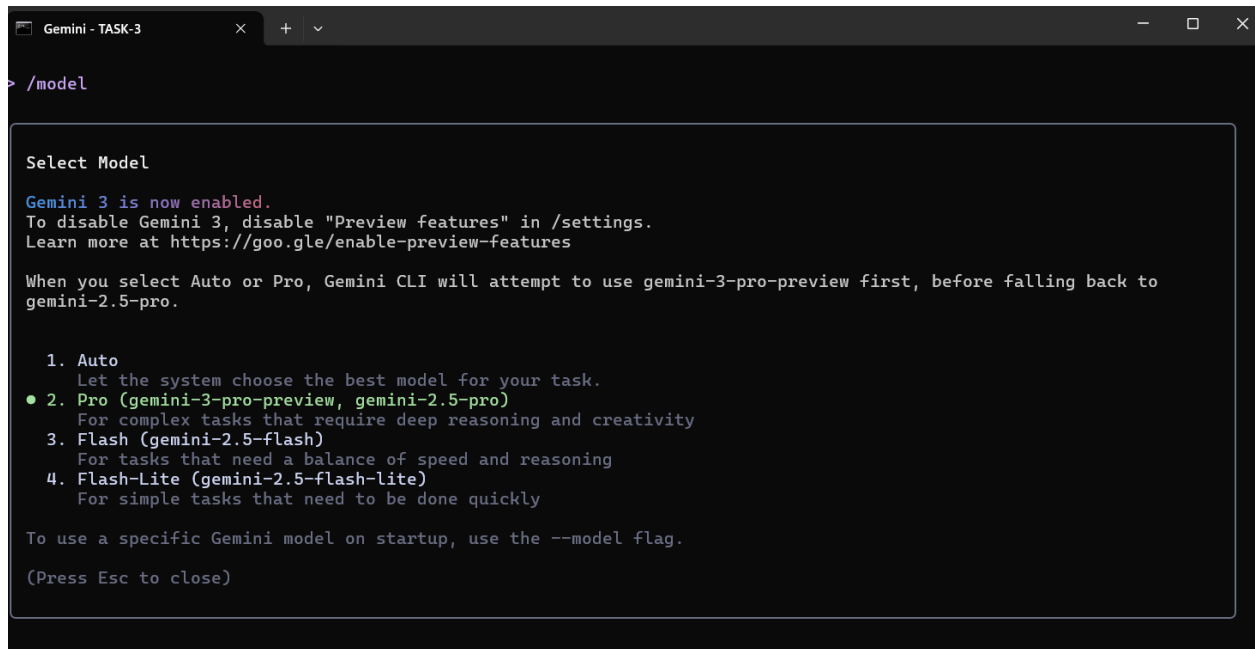
1. Type `/model` in the CLI prompt and press **Enter**.
2. A selection dialog will appear listing available models.
3. Select **Gemini 3.0 Pro** (or simply **Pro**, which defaults to the latest 3.0 version when preview features are on).
    - *Note: You may also see an option for **Auto**, which will now automatically route complex tasks to Gemini 3.0 Pro.*

Verification: After selecting the model, your CLI prompt status bar (usually at the bottom) should update to show **Gemini 3.0 Pro** or **gemini-3-pro-preview** as the active model.

Alternative: Direct Command (If supported)

If you prefer a direct command line flag when starting the session in the future, you can use:
gemini --model gemini-3.0-pro-preview

(Note: You do not need to run `npm update` for the CLI tool itself unless the `/model` command fails to show the new options.)

```
Gemini - TASK-3          ×    +  ⌄                                    —   □   ×

> /model

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 │ 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-2.5-pro.                                                               │
 │                                                                               │
 │   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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```