

## Task 3 — AI-Driven Development

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**Class Slot: Friday — 6:00 PM to 9:00 PM**

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### PART A — Research Questions (Short Answers)

#### 1. What new improvements were introduced in Gemini 3.0?

Gemini 3.0 introduces **faster response speed, better reasoning, stronger code generation, and much higher multimodal accuracy**. It also improves **tool use, memory, and control over outputs**, making it more reliable for real development work.

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

Gemini 3.0 gives **more accurate code**, understands **entire codebases**, supports **structured outputs**, and works better with **CLI agents**. It reduces bugs, automates repetitive tasks, and improves refactoring, debugging, and documentation generation.

#### 3. How does Gemini 3.0 improve multimodal understanding?

Gemini 3.0 has **stronger image, audio, and video understanding**, better OCR, and improved step-by-step reasoning across multiple formats. It can analyze screenshots, diagrams, PDFs, equations, and mixed content more accurately and consistently.

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

- **Gemini Code Assist** (AI coding agent for IDEs and cloud workflows)
- **Gemini API v2** with structured outputs + function calling  
(Also acceptable: “Gemini Live API”, “Gemini CLI Agents”, “Gemini Flash models”)

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### PART B — Practical Task

**Task:** Update the model in Gemini CLI using `/model`.



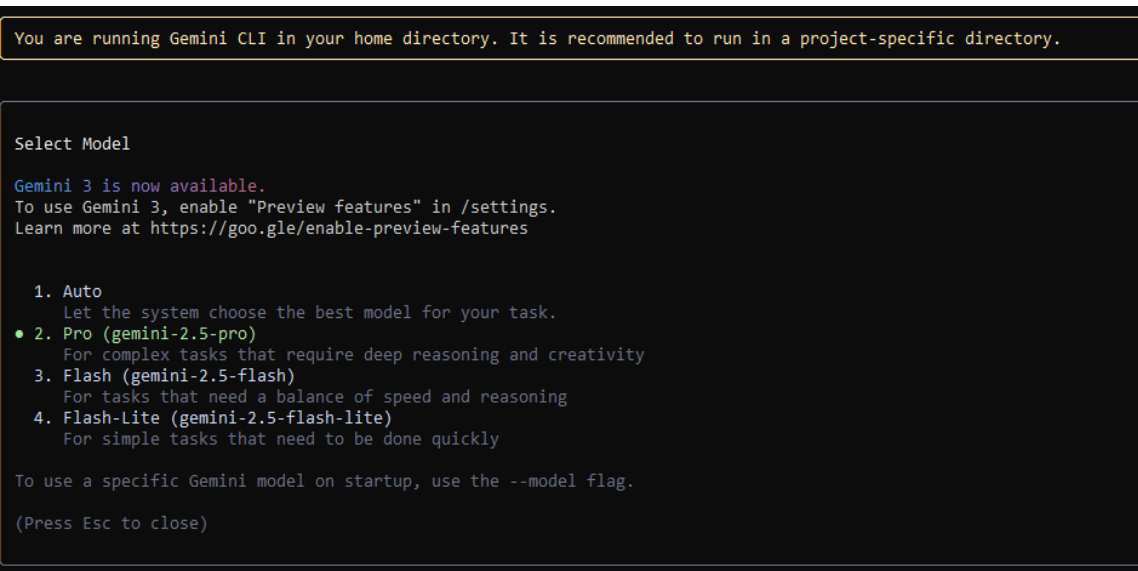
```
> GEMINI

Gemini 3 is now available.
Join the waitlist at https://goo.gle/enable-preview-features

Tips for getting started:
1. Ask questions, edit files, or run commands.
2. Be specific for the best results.
3. /help for more information.

You are running Gemini CLI in your home directory. It is recommended to run in a project-specific directory.

Using: 1 GEMINI.md file | 1 MCP server
> /model
~                               no sandbox (see /docs)                               auto
```



```
You are running Gemini CLI in your home directory. It is recommended to run in a project-specific directory.

Select Model

Gemini 3 is now available.
To use Gemini 3, enable "Preview features" in /settings.
Learn more at https://goo.gle/enable-preview-features

1. Auto
   Let the system choose the best model for your task.
• 2. Pro (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)
```