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")

PART B — Practical Task

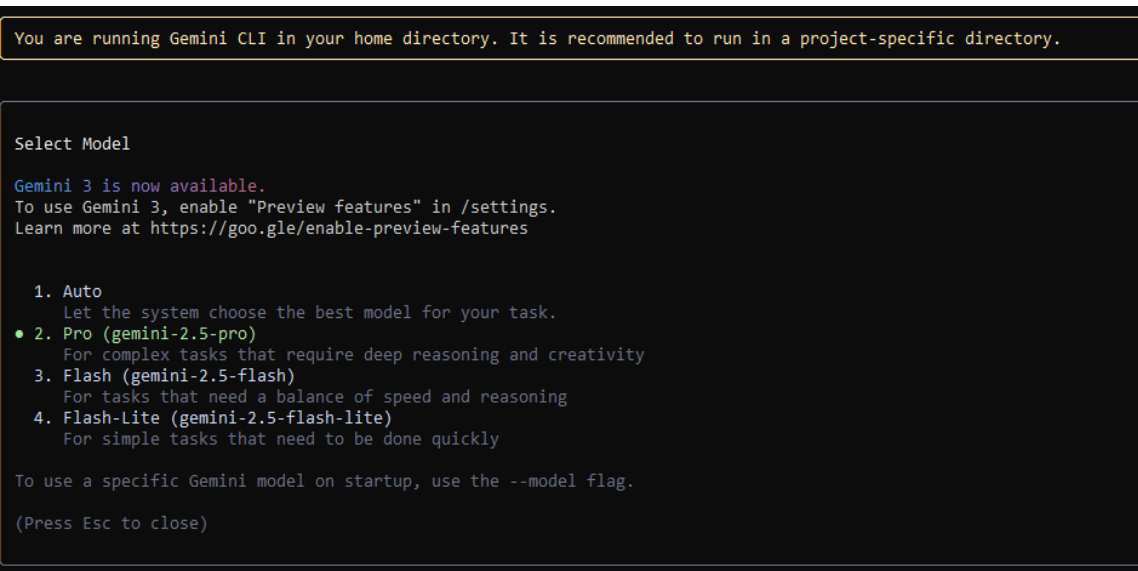**Task:** Update the model in Gemini CLI using /model.