

◆◆ AIDD 30-Day Challenge — Task 1

⌚ Time: 1 Hour | ◆◆ Marks: 10 | ◆◆ Deadline: 48 Hours

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

◆◆◆◆ Instructor: Sir Hamzah Syed

◆◆ Understanding the AI-Native Turning Point ◆◆ Goal

Understand what AI-Driven Development (AIDD) means and how the October 2025 AI Turning Point changed the role of software developers forever.

◆◆ Study Material (20–25 min)

Resources

◆◆ [AI-Native Book — Preface: “Welcome to the AI-Native Era”](#)

Focus

How AI and human creativity combine to create a new AI-Native Era

Why developers are now becoming AI collaborators, not just coders

What made October 2025 the global AI Turning Point

◆◆ Key Concepts to Understand

Concept Description

1 AI Turning Point (Oct 2025) When AI tools like ChatGPT, Gemini, and Claude made AI-assisted development mainstream.

2 Agentic AI AI systems that can reason, plan, and act autonomously. Development style that evaluates and improves AI generated outputs.

3 Evaluation-Driven Development (EvDD)

4 Test-Driven Development (TDD) Classic testing-first approach — still key in AI workflows.

5 AI Productivity Boom Developer productivity increased 5–10× through AI coding agents.

◆◆ Environment Setup (Optional – Before You Start)

Install the Google Gemini CLI for hands-on AI tasks:

```
bash
```

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```
npm install -g @google/gemini-cli
```

 **Check installation:**

```
bash
```

 Copy code

```
gemini --version
```

 **Tip:**

If npm is not installed, install Node.js (LTS version) first → <https://nodejs.org>

Reflection Activity (40 min)

Write your reflection in your own words:

What does AI-Driven Development mean to you?

Answer: AI-Driven Development is no longer about writing code .it's about orchestrating intelligence

- I don't debug syntax errors for hours
- I don't build alone build with help of Gemini Cli
- In Gemini.md file we write context and AI read and execute the prompt accordingly

How do you see the future of Human–AI Collaboration in software development?

- The future of human–AI collaboration in software development will feel like working with a smart teammate.
- AI will handle routine tasks—writing code, fixing simple bugs, and generating tests—while humans focus on creativity, design, and decision-making.
- Developers won't be replaced; they'll be empowered.
- AI will speed up the work, but humans will guide the direction, ensure quality, and make the final choices.
- The result is faster development, less stress, and better software built together.

 **Write naturally — as if you're explaining it to your future self after completing this challenge.**

 **No word limit — express your imagination about the AI-Driven Era.**

Optional Practice (VS Code – 10 min)

Start tracking your learning journey like a real project.

❖ Goal: Learn how developers use Git to log their AI learning progress.

bash

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```
echo "Hello, AI World" > day1_intro.txt  
git init  
git add day1_intro.txt  
git commit -m "Day 1 - Start of AIDD Journey"
```

❖ Self-Test (MCQs)

1 What is the main purpose of the AI-Native Era?

- a) Replace developers
- b) Empower developers through AI tools
- c) Eliminate coding
- d) Automate testing

2 What defines an AI-driven developer?

- a) Writes only syntax
- b) Creates context-aware prompts
- c) Avoids tools
- d) Works offline

3 What does “AIDD” stand for?

- a) AI-Integrated Data Design
- b) AI-Driven Development
- c) Automated IDE Deployment
- d) Adaptive Input Debugger

4 What is the focus of Evaluation-Driven Development (EvDD)? a)

- Manual coding
- b) Evaluating and improving AI outputs
- c) UI design
- d) Testing only

5 What should developers focus on in the AI era?

- a) Syntax only
- b) Building reasoning + evaluation skills
- c) Avoiding AI tools
- d) Manual workflows

❖❖ End-of-Day Reflection

“Today I learned that AI isn’t replacing developers — it’s redefining them. The 2025 Turning Point proved that coding is no longer just syntax; it’s about reasoning, collaboration, and strategy.”

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❖❖ Learn. Build. Lead.