

# ❖❖ 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
```

[Copy code](#)

```
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

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 + e-valuation 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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