





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.
3	Evaluation-Driven Development (EvDD)	Development style that evaluates and improves AI-generated outputs.
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?
- How do you see the future of Human-AI Collaboration in software development?

💡 *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
```

[Copy code](#)

```
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)

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

What defines an AI-driven developer?

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

What does “AIDD” stand for?

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

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

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

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.”

 Prepared by: *Asma Yaseen — Class Coordinator (AIDD 30-Day Challenge)*

 Supervised by: *Sir Hamzah Syed*

 Learn. Build. Lead.

