

Module – 10: AI Tools for PHP Developers

Q: What is the purpose of AI code assistants for PHP developers?

A: AI code assistants help PHP developers by automating repetitive tasks, providing code suggestions, detecting errors, and increasing productivity.

Q: How does AI help in debugging PHP applications?

A: AI analyzes code patterns, finds logical and syntax errors, and suggests fixes automatically.

Q: What is GitHub Copilot and how is it useful for PHP developers?

A: GitHub Copilot is an AI-powered coding assistant that provides intelligent code suggestions and auto-completions.

Q: Mention two AI tools used to optimize SQL queries in PHP applications.

A: EverSQL and ChatGPT help optimize SQL queries by analyzing performance and suggesting improvements.

Q: How can AI be used for API generation in PHP?

A: AI generates boilerplate API code, routes, controllers, and documentation automatically.

Q: What role does AI play in improving PHP application security?

A: AI detects security issues like SQL Injection and XSS and recommends secure coding practices.

Q: How do AI-powered testing tools help PHP developers?

A: AI testing tools generate unit and functional tests and identify missing test coverage.

Q: How can AI assist in PHP project documentation?

A: AI creates documentation, summaries, and explanations for PHP projects.

Q: What is the advantage of using AI for code refactoring?

A: AI improves code readability, structure, and performance without changing functionality.

Q: How can AI tools help PHP developers learn new frameworks?

A: AI provides tutorials, examples, explanations, and debugging help for frameworks like Laravel.