Python and AI in Programming

While manual coding involves writing, debugging, and optimization by the coder himself, relying on logic and syntax rules, AI-assisted coding relies on tools like GitHub Copilot and OpenAI Codex to generate, suggest, and complete code snippets given in natural language or partial inputs. These AI tools enhance productivity by reducing repetitive tasks, offering real-time suggestions, and assisting with debugging but still require human oversight to ensure accuracy and efficiency. While traditional coding forms deep problem-solving skills, with AI-assisted coding, it increases development, thus making it more accessible-even for beginners.