**CHAPTER1**

**Flutter** is a UI toolkit for building natively compiled applications across mobile, web, and desktop platforms from a single codebase. **Dart** is the programming language used by Flutter, known for its high performance and simple syntax.

Setting up **Visual Studio Code** with the Flutter and Dart extensions allows developers to efficiently write, debug, and run Flutter applications. The combination of VS Code's lightweight interface and Flutter's powerful UI toolkit makes this setup ideal for cross-platform development.

