**Chapter 3**

Dart is a modern, object-oriented programming language that I have explored extensively. I learned the fundamentals, including its concise syntax, variable declarations, and control flow structures such as if-else, loops, and switch-case. One of the standout features I mastered is Dart's null safety, which helps prevent null reference errors by enforcing nullable and non-nullable type distinctions. I also delved into object-oriented programming concepts, understanding how to create classes, constructors, methods, and properties while applying principles like inheritance and polymorphism. Additionally, I became proficient in handling collections (List, Set, Map) and their powerful methods like map, where, and reduce. Dart's robust asynchronous programming features, such as Future and Stream, combined with the async and await keywords, allowed me to write clean and efficient asynchronous code. I also gained insight into error handling using try-catch-finally constructs and explored Dart's libraries and packages for enhancing functionality. This knowledge forms a strong foundation for leveraging Dart, especially when building modern applications with frameworks like Flutter.