## **Null Safety**

Null safety in Dart is a feature that helps developers avoid null reference errors, which are common bugs in many programming languages. Null reference errors occur when a program attempts to use an object reference that has not been initialized (i.e., it is null). Dart's null safety feature ensures that:

**Non-nullable types**: By default, all types in Dart are non-nullable, meaning they cannot contain a null value. For instance, if you declare a variable as int, it must always contain an integer value and can never be null.

**Nullable types**: If a variable should be able to hold a null value, you can explicitly mark it as nullable by adding a question mark (?) to its type. For example, int? means that the variable can hold either an integer or null.

By enforcing these rules, Dart's null safety feature helps reduce runtime errors and improves code reliability and readability.