

# DART MCQ'S

- **What is Dart primarily used for?**

- A) Game development
- B) Mobile app development
- C) Web development
- D) Data analysis

**Answer: B) Mobile app development**

- **Which company developed Dart?**

- A) Google
- B) Microsoft
- C) Apple
- D) Facebook

**Answer: A) Google**

- **Which of the following is Dart's main competitor in cross-platform mobile development?**

- A) Java
- B) Kotlin
- C) Swift
- D) Flutter

**Answer: D) Flutter**

- **What is the recommended IDE (Integrated Development Environment) for Dart programming?**

- A) Eclipse
- B) IntelliJ IDEA
- C) Visual Studio Code
- D) Xcode

**Answer: C) Visual Studio Code**

- **Dart is known for its performance in which area of application development?**

- A) Real-time systems
- B) Machine learning
- C) Graphics rendering



- D) Just-in-time compilation

**Answer: A) Real-time systems**

- **What is the primary programming paradigm used in Dart?**

- A) Object-oriented
- B) Functional
- C) Procedural
- D) Declarative

**Answer: A) Object-oriented**

- **Which of the following is NOT true about Dart?**

- A) It supports both AOT (Ahead Of Time) and JIT (Just In Time) compilation.
- B) It can be used for server-side development.
- C) It was initially designed for embedded systems.
- D) It has a syntax similar to JavaScript.

**Answer: C) It was initially designed for embedded systems.**

- **What is the Dart syntax most similar to?**

- A) Java
- B) C++
- C) JavaScript
- D) Python

**Answer: C) JavaScript**

- **Which of the following is a valid Dart data type for storing a sequence of elements?**

- A) dictionary
- B) array
- C) tuple
- D) map

**Answer: B) array**

- **Which keyword is used in Dart to declare a constant?**

- A) var
- B) final
- C) static
- D) const

**Answer: D) const**

• **What is the entry point of a Dart program?**

- A) `main()`
- B) `start()`
- C) `begin()`
- D) `init()`

**Answer: A) `main()`**

• **Which keyword is used to define a function in Dart?**

- A) `func`
- B) `function`
- C) `def`
- D) `void`

**Answer: D) `void`**

• **Which of the following is a feature of Dart's async programming model?**

- A) Callbacks
- B) Promises
- C) Observables
- D) All of the above

**Answer: D) All of the above**

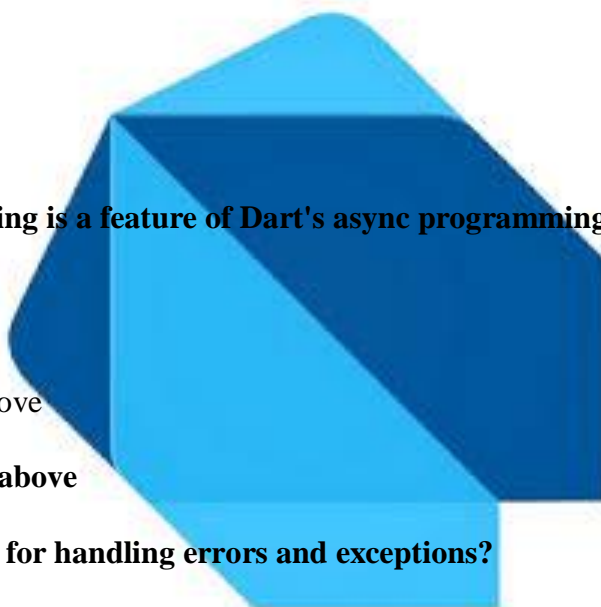
• **What does Dart use for handling errors and exceptions?**

- A) `try, catch, finally`
- B) `if, else`
- C) `switch, case`
- D) `throw, catch`

**Answer: A) `try, catch, finally`**

• **Which of the following operators in Dart is used to check if two objects contain the same data?**

- A) `==`
- B) `===`
- C) `=`
- D) `=>`



**Answer: A) ==**

• **What is Dart's type inference feature?**

- A) The ability to infer types based on assigned values.
- B) The requirement to explicitly declare types for all variables.
- C) A feature that allows type casting between different data types.
- D) A feature that enforces strict typing rules.

**Answer: A) The ability to infer types based on assigned values.**

• **Which keyword is used in Dart to implement inheritance between classes?**

- A) extends
- B) inherits
- C) implements
- D) inheritsFrom

**Answer: A) extends**

• **What does Dart use to handle asynchronous operations efficiently?**

- A) Futures
- B) Threads
- C) Callbacks
- D) Observables

**Answer: A) Futures**

• **In Dart, how do you import a library or package?**

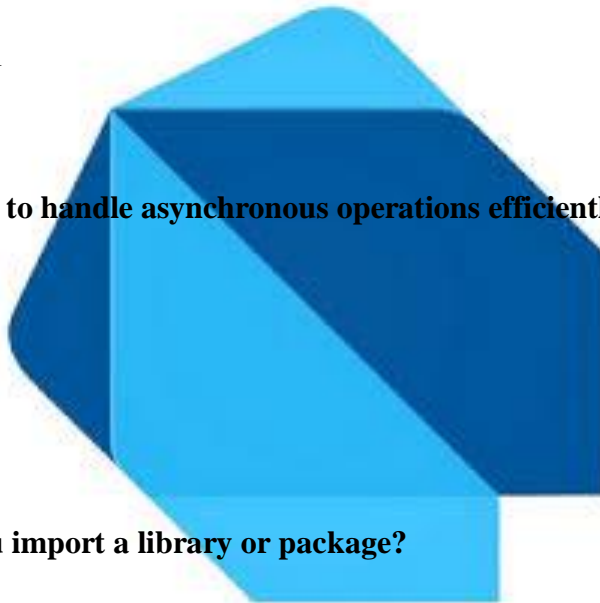
- A) `import <library>`
- B) `use <library>`
- C) `include <library>`
- D) `require <library>`

**Answer: A) `import <library>`**

• **Which of the following is true about Dart's garbage collection?**

- A) Dart uses automatic garbage collection to manage memory.
- B) Dart requires manual memory management.
- C) Dart does not support garbage collection.
- D) Dart uses reference counting for garbage collection.

**Answer: A) Dart uses automatic garbage collection to manage memory.**



• **What does the `async` keyword indicate in Dart?**

- A) That a function returns a Future object.
- B) That a function is executed asynchronously.
- C) That a function should be called with a callback.
- D) That a function is a generator.

**Answer: B) That a function is executed asynchronously.**

• **Which Dart feature allows you to define a function without specifying its return type?**

- A) dynamic typing
- B) type inference
- C) deferred typing
- D) lazy typing

**Answer: B) type inference**

• **In Dart, what does the `assert` keyword do?**

- A) It checks if a variable is null.
- B) It asserts that a condition is true during development but can be disabled in production.
- C) It throws an exception.
- D) It prints a message to the console.

**Answer: B) It asserts that a condition is true during development but can be disabled in production.**

• **Which of the following is NOT a valid Dart collection type?**

- A) List
- B) Set
- C) Tuple
- D) Map

**Answer: C) Tuple**

• **What is the purpose of the `super` keyword in Dart?**

- A) To call a method of the superclass.
- B) To access the superclass constructor.
- C) To access a static variable of the superclass.
- D) To declare a superclass.

**Answer: A) To call a method of the superclass.**

• Which Dart feature allows you to define default parameter values for functions?

- A) optional parameters
- B) default parameters
- C) named parameters
- D) positional parameters

**Answer: B) default parameters**

• What does Dart use to handle multithreading?

- A) Isolates
- B) Threads
- C) Processes
- D) Observables

**Answer: A) Isolates**

• Which Dart keyword is used to break out of a loop prematurely?

- A) break
- B) exit
- C) stop
- D) terminate

**Answer: A) break**

• What does Dart use to manage the scope of variables and functions?

- A) Blocks
- B) Namespaces
- C) Modules
- D) Scopes

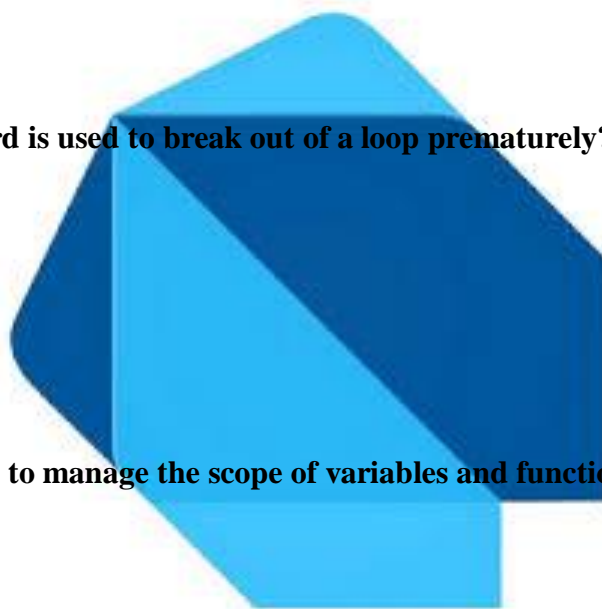
**Answer: A) Blocks**

• Which Dart operator is used for null-aware assignments?

- A) ??
- B) !
- C) ?.
- D) =

**Answer: A) ??**

• What does Dart use to manage asynchronous streams of data?



- A) Stream
- B) Channel
- C) Buffer
- D) Flow

**Answer: A) Stream**

- Which Dart operator is used to perform type casting?

- A) `as`
- B) `cast`
- C) `typeOf`
- D) `is`

**Answer: A) `as`**

- What does the `late` keyword indicate in Dart?

- A) That a variable can be initialized at a later time.
- B) That a variable is declared in the latest version of Dart.
- C) That a variable is immutable.
- D) That a variable is optional.

**Answer: A) That a variable can be initialized at a later time.**

- Which Dart feature allows you to run code only in debug mode?

- A) `debugMode`
- B) `ifDebug`
- C) `assert`
- D) `conditional`

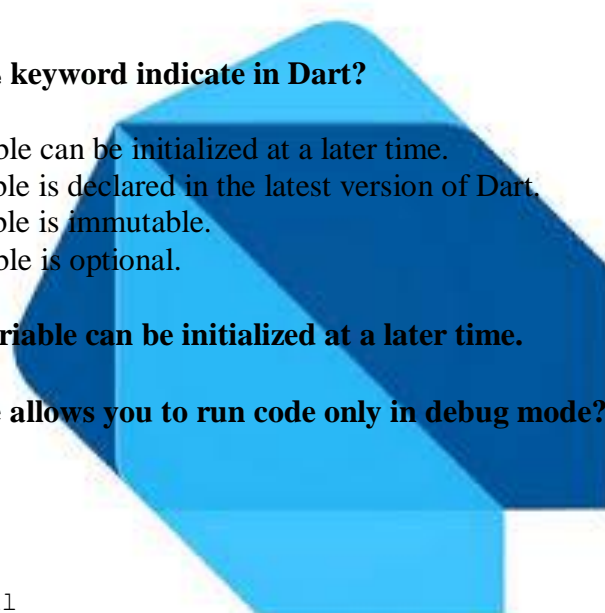
**Answer: C) `assert`**

- What does Dart use to perform dependency management for packages?

- A) `package.json`
- B) `pubspec.yaml`
- C) `dependencies.dart`
- D) `libs`

**Answer: B) `pubspec.yaml`**

- Which Dart feature allows you to define asynchronous generator functions?



- A) `async*`
- B) `stream*`
- C) `await*`
- D) `yield*`

**Answer: A) `async*`**

- **What does the `cascade` notation (`..`) allow you to do in Dart?**

- A) Chain method calls on the same object.
- B) Perform bitwise operations.
- C) Access private variables.
- D) Perform null checks.

**Answer: A) Chain method calls on the same object.**

- **Which Dart feature allows you to define functions within functions?**

- A) Inner functions
- B) Nested functions
- C) Function blocks
- D) Local functions

**Answer: D) Local functions**

- **What is the purpose of the `is` keyword in Dart?**

- A) To check if an object is of a specific type.
- B) To perform mathematical operations.
- C) To iterate over a collection.
- D) To access static members.

**Answer: A) To check if an object is of a specific type.**

- **Which Dart feature allows you to define optional named parameters?**

- A) Optional parameters
- B) Named parameters
- C) Default parameters
- D) Positional parameters

**Answer: B) Named parameters**

- **What does Dart use for handling synchronous errors?**

- A) `try`, `catch`, `finally`



- B) `async`, `await`
- C) `throw`, `on`
- D) `assert`, `expect`

**Answer: A) `try`, `catch`, `finally`**

- Which Dart feature allows you to define compile-time constants?

- A) `const`
- B) `final`
- C) `static`
- D) `dynamic`

**Answer: A) `const`**

- What does Dart use for conditional expressions?

- A) `if`, `else`
- B) `switch`, `case`
- C) ternary operator (`? :`)
- D) `unless`, `otherwise`

**Answer: C) ternary operator (`? :`)**

- Which Dart feature allows you to define abstract classes and methods?

- A) Abstract classes
- B) Interface classes
- C) Contract classes
- D) Blueprint classes

**Answer: A) Abstract classes**

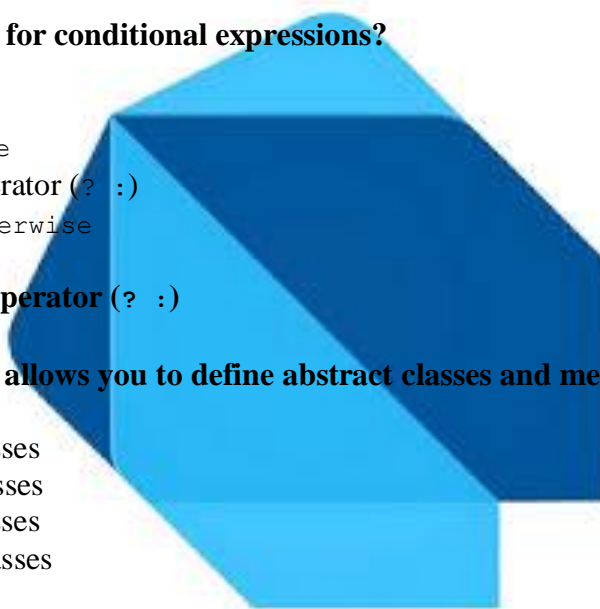
- What does Dart use for defining constants that are initialized at runtime?

- A) `const`
- B) `final`
- C) `static`
- D) `dynamic`

**Answer: B) `final`**

- Which Dart keyword is used to handle control flow exceptions?

- A) `catch`



- B) `finally`
- C) `throw`
- D) `try`

**Answer: C) `throw`**

- **What is the purpose of the `sync*` keyword in Dart?**

- A) To indicate that a function returns a synchronous generator.
- B) To synchronize access to shared resources.
- C) To block asynchronous operations until completed.
- D) To simulate multithreading in Dart.

**Answer: A) To indicate that a function returns a synchronous generator.**

- **Which Dart feature allows you to define top-level functions and variables?**

- A) Global scope
- B) Root level
- C) Main scope
- D) Outermost scope

**Answer: A) Global scope**

- **What does Dart use for defining generic types?**

- A) `template`
- B) `generic`
- C) `type`
- D) `typedef`

**Answer: D) `typedef`**

- **Which Dart feature allows you to define functions that can return multiple values?**

- A) Multi-return functions
- B) Tuple functions
- C) Generator functions
- D) Callable functions

**Answer: B) Tuple functions**

