# Getting Started with Dart on Windows

## 1. Install Dart SDK

Step 1: Go to the Dart SDK download page: https://dart.dev/get-dart.

Step 2: Choose the Windows option and download the installer.

Step 3: Run the downloaded installer and follow the installation prompts.

Step 4: After installation, add the Dart SDK to your system's PATH to ensure you can run Dart commands from any directory.

## 2. Verify the Installation

Open the Command Prompt or PowerShell.

Type the following command and press Enter to check if Dart is installed correctly:

dart --version

## 3. Install a Code Editor

The most commonly used editor for Dart development is Visual Studio Code (VS Code). You can download it from: https://code.visualstudio.com/.

## 4. Set Up Dart in Visual Studio Code

Open VS Code.

Go to Extensions on the sidebar and search for the Dart extension by Dart Code.

Click Install to add it to your editor. This extension provides features like syntax highlighting, code completion, and debugging tools.

## 5. Write Your First Dart Program

Create a new file with the extension .dart, e.g., hello.dart.

Open the file and write the following code:

void main() {  
 print('Hello, Dart!');  
}

## 6. Run Your Dart Program

In VS Code, you can run the program by opening the terminal (Ctrl + ~) and typing the following command:

dart run hello.dart

You should see 'Hello, Dart!' printed in the terminal.

## 7. Explore More with Dart Packages (Optional)

If you’re building a larger project, you can use pub, Dart’s package manager, to add external libraries and manage dependencies. To initialize a new Dart project, use the following command:

dart create my\_dart\_app

cd my\_dart\_app

dart run

Use dart run to run the project if it’s a console application.