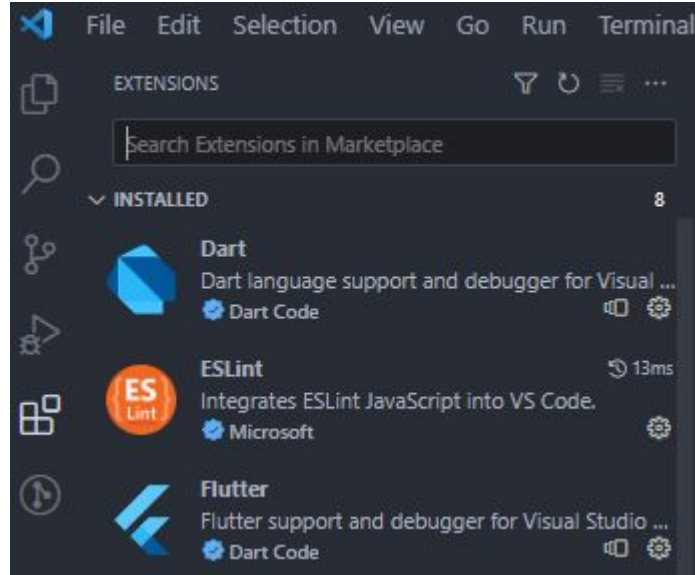

Software Installation

— D3 Teknik Informatika, SV UNS —

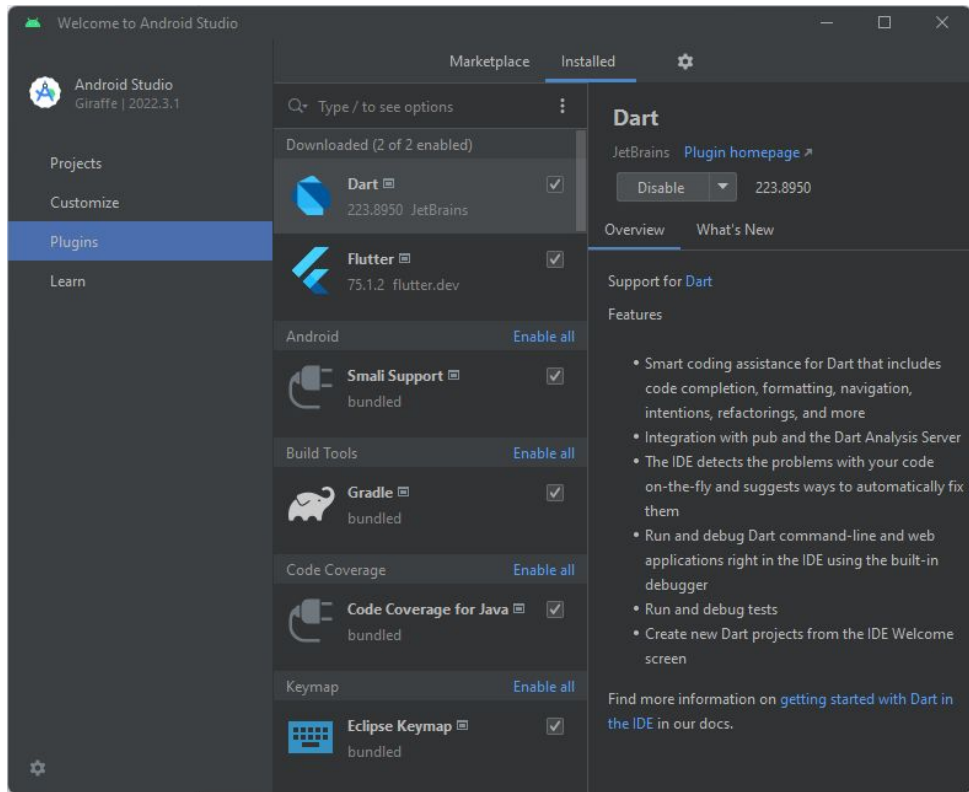
Software requirements

1. Download SDK flutter (<https://docs.flutter.dev/get-started>)
 - a. Extract to **C:/flutter**
 - b. Add PATH in system variable **C:\flutter\bin**
2. Install android studio (<https://developer.android.com/>)
 - a. [Install plugin Dart and Flutter](#)
3. **if required ->** Install JAVA 8.0 (/JDK 12
(<https://www.oracle.com/id/java/technologies/downloads/>)
4. Visual Studio Code (<https://code.visualstudio.com/>)
 - a. [Install plugin Dart and Flutter](#)

Visual Studio Plugin



Android Studio Plugin



Android Studio Setting - Flutter Configuration

```
flutter config --android-studio-dir=<directory>
```

<directory> → "Android\Android Studio"

Android Studio Setting - SDK Command-line Tools

1. Open Android Studio → More option → SDK manager → SDK Tools
2. Check Android SDK Command-line → Apply

Android Studio Setting - Android licenses

flutter doctor --android-licenses

Dependencies Checking

Run cmd → flutter doctor

```
Command Prompt - flutter d... X + -
(c) Microsoft Corporation. All rights reserved.

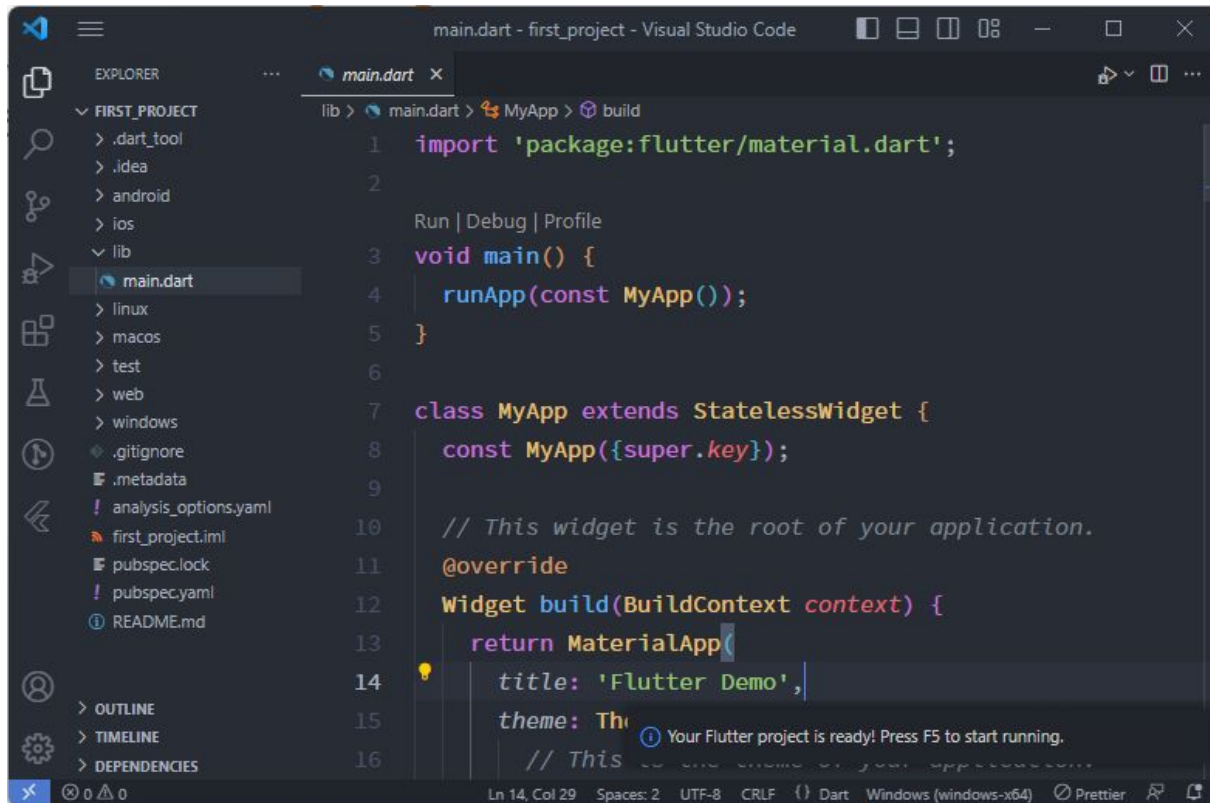
C:\Users\Fiddin Yusfida>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[✓] Flutter (Channel stable, 3.10.6, on Microsoft Windows [Version 10.0.2
2621.2070], locale en-ID)
[✓] Windows Version (Installed version of Windows is version 10 or higher
)
[✓] Android toolchain - develop for Android devices (Android SDK version
34.0.0)
[✓] Chrome - develop for the web
[X] Visual Studio - develop for Windows
    X Visual Studio not installed; this is necessary for Windows developm
ent.
      Download at https://visualstudio.microsoft.com/downloads/.
      Please install the "Desktop development with C++" workload, includi
ng all of its default components
[✓] Android Studio (version 2022.3)
[✓] VS Code (version 1.81.0)
[✓] Connected device (3 available)
[✓] Network resources

! Doctor found issues in 1 category.

C:\Users\Fiddin Yusfida>
```


Create new project

Press F1 and
type flutter new project



The screenshot shows the Visual Studio Code interface with a new Flutter project named 'first_project' created. The Explorer sidebar on the left shows the project structure, including the 'lib' directory and the 'main.dart' file. The main editor displays the content of 'main.dart', which is a standard Flutter app template. The code includes an import for 'package:flutter/material.dart', a 'main' function that calls 'runApp', and a 'MyApp' class that extends 'StatelessWidget'. The 'build' method returns a 'MaterialApp' widget with the title 'Flutter Demo'. A status bar at the bottom indicates the current line and column (Ln 14, Col 29) and provides information about the editor's settings (Spaces: 2, UTF-8, CRLF, Dart, Windows (windows-x64), Prettier).

```
1 import 'package:flutter/material.dart';
2
3 void main() {
4   runApp(const MyApp());
5 }
6
7 class MyApp extends StatelessWidget {
8   const MyApp({super.key});
9
10  // This widget is the root of your application.
11  @override
12  Widget build(BuildContext context) {
13    return MaterialApp(
14      title: 'Flutter Demo',
15      theme: ThemeData(),
16      // This
```