

Université des Mascareignes

Faculté des technologies de l'information et de la
Communication

Bsc Hons Informatique Appliquée

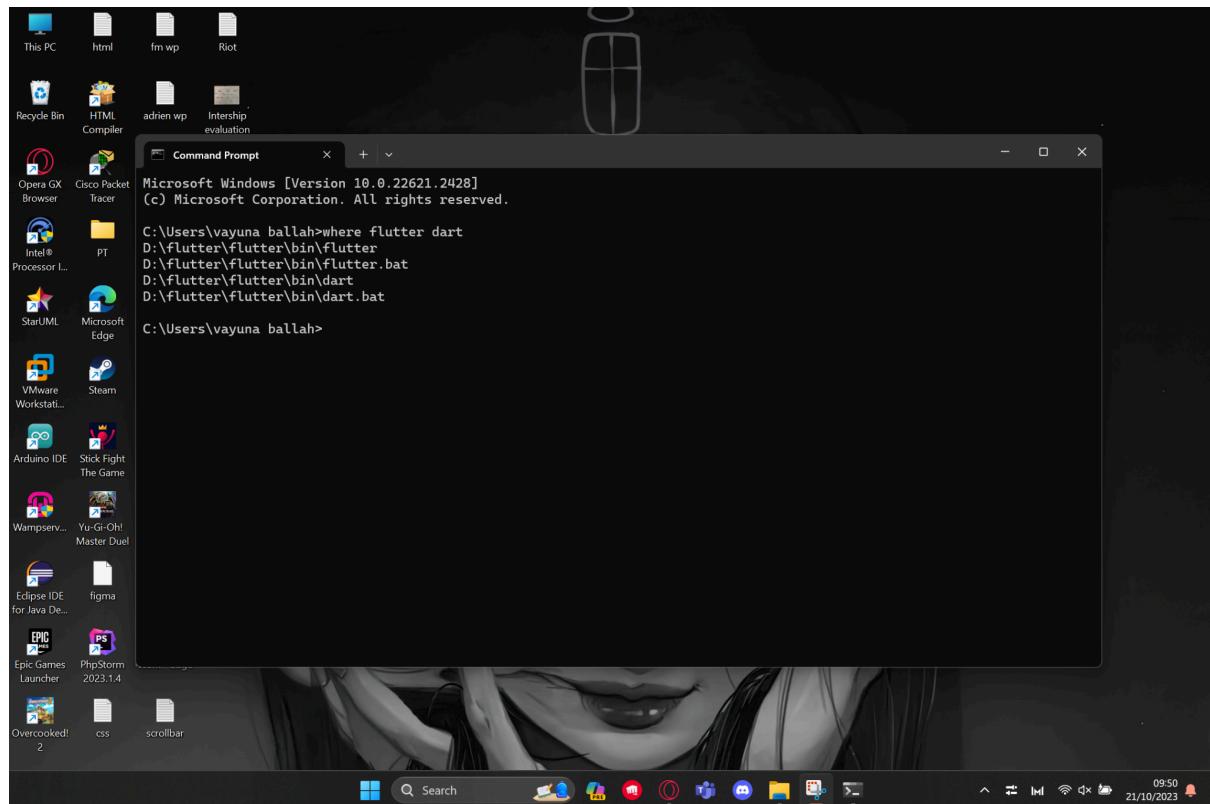
PMH

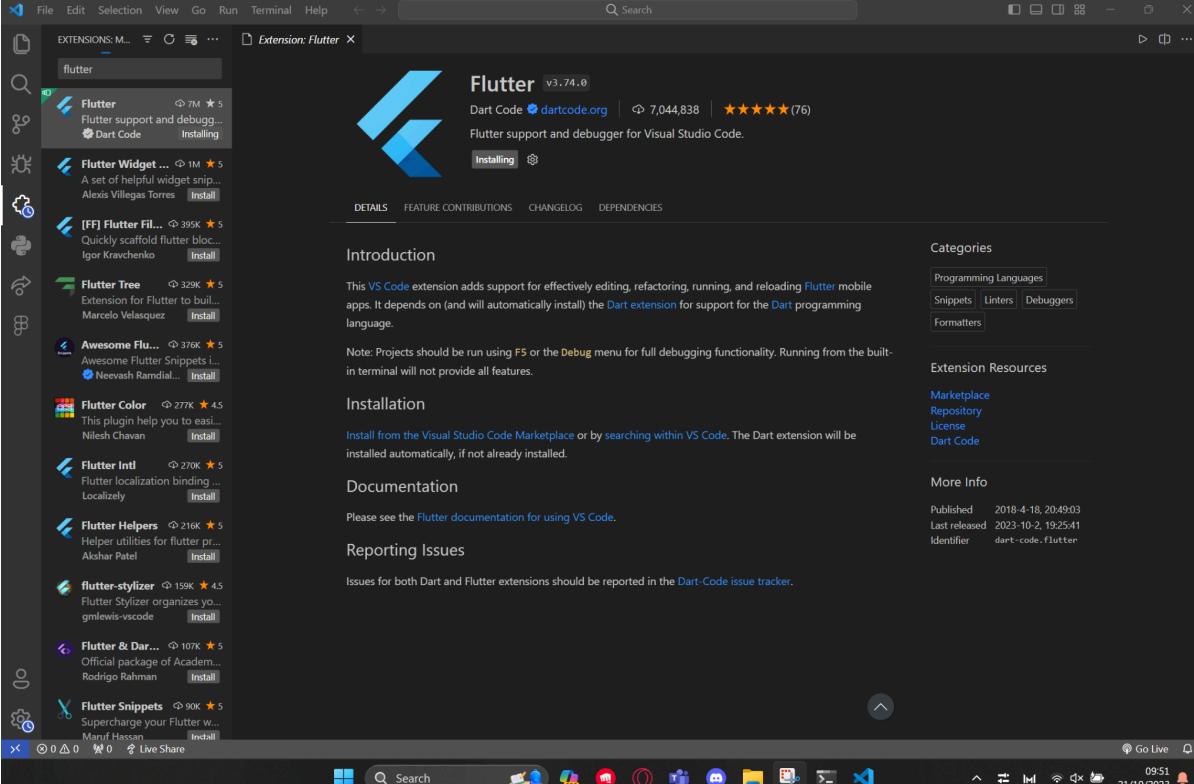
Soumis par : BALLAH Vayuna

Soumis à : Mr. Beeharry Shiam

Date : 25/01/2024

Task 1 - installation process





The screenshot shows the VS Code Extension Marketplace with the search bar set to "flutter". The main result is the "Flutter" extension by Dart Code, version v3.74.0, which has 7,044,838 installs and a 5-star rating. The page includes sections for Introduction, Installation, Documentation, Reporting Issues, and More Info.

Introduction

This VS Code extension adds support for effectively editing, refactoring, running, and reloading Flutter mobile apps. It depends on (and will automatically install) the Dart extension for support for the Dart programming language.

Installation

Install from the Visual Studio Code Marketplace or by searching within VS Code. The Dart extension will be installed automatically, if not already installed.

Documentation

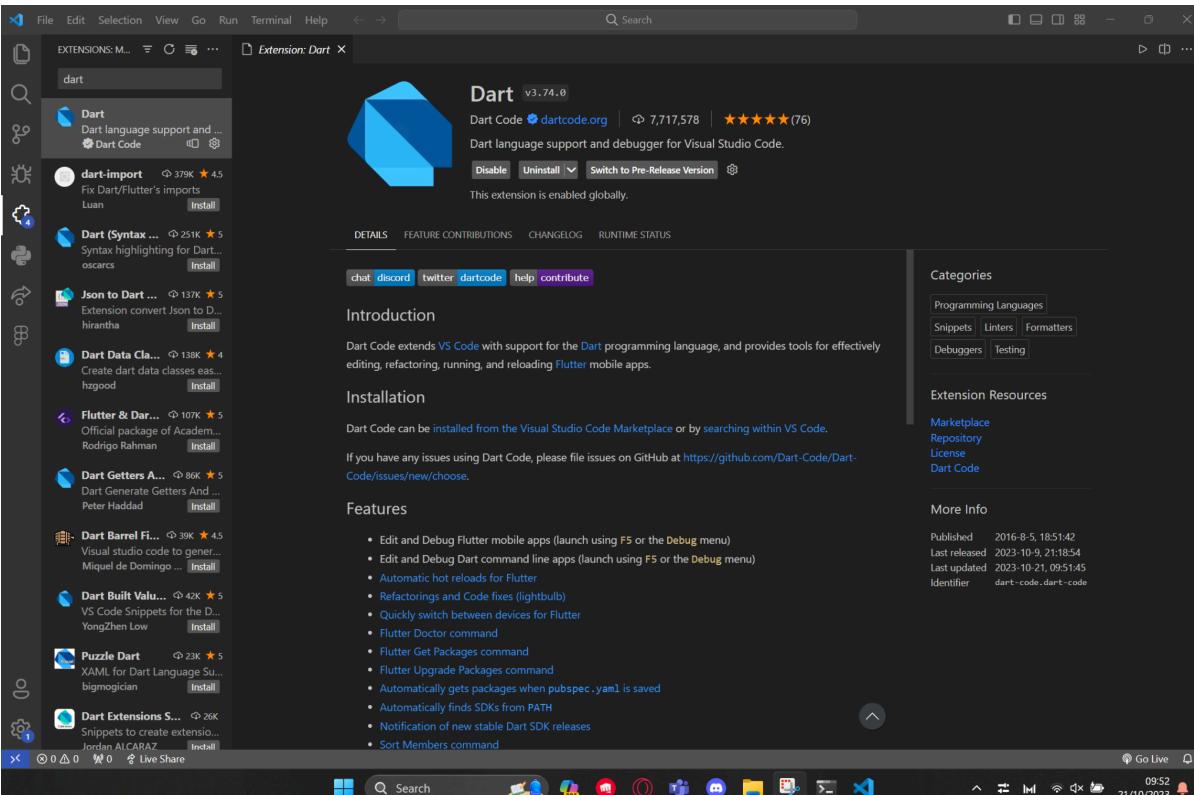
Please see the [Flutter documentation](#) for using VS Code.

Reporting Issues

Issues for both Dart and Flutter extensions should be reported in the [Dart-Code issue tracker](#).

More Info

- Published: 2018-4-18, 20:49:03
- Last released: 2023-10-2, 19:25:41
- Identifier: dart-code.flutter



The screenshot shows the VS Code Extension Marketplace with the search bar set to "dart". The main result is the "Dart" extension by Dart Code, version v3.74.0, which has 7,717,578 installs and a 5-star rating. The page includes sections for Introduction, Installation, Features, and More Info.

Introduction

Dart Code extends VS Code with support for the Dart programming language, and provides tools for effectively editing, refactoring, running, and reloading Flutter mobile apps.

Installation

Dart Code can be [installed](#) from the Visual Studio Code Marketplace or by searching within VS Code.

Features

- Edit and Debug Flutter mobile apps (launch using F5 or the Debug menu)
- Edit and Debug Dart command line apps (launch using F5 or the Debug menu)
- Automatic hot reloads for Flutter
- Refactorings and Code fixes (lightbulb)
- Quickly switch between devices for Flutter
- Flutter Doctor command
- Flutter Get Packages command
- Flutter Upgrade Packages command
- Automatically gets packages when pubspec.yaml is saved
- Automatically finds SDKs from PATH
- Notification of new stable Dart SDK releases
- Sort Members command

More Info

- Published: 2016-8-5, 18:51:42
- Last released: 2023-10-9, 21:18:54
- Last updated: 2023-10-21, 09:51:45
- Identifier: dart-code.dart-code

```
C:\Users\vayuna ballah>version --flutter
'version' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\vayuna ballah>flutter doctor

      Welcome to Flutter! - https://flutter.dev

The Flutter tool uses Google Analytics to anonymously report feature usage
statistics and basic crash reports. This data is used to help improve
Flutter tools over time.

Flutter tool analytics are not sent on the very first run. To disable
reporting, type 'flutter config --no-analytics'. To display the current
setting, type 'flutter config'. If you opt out of analytics, an opt-out
event will be sent, and then no further information will be sent by the
Flutter tool.

By downloading the Flutter SDK, you agree to the Google Terms of Service.
Note: The Google Privacy Policy describes how data is handled in this
service.

Moreover, Flutter includes the Dart SDK, which may send usage metrics and
crash reports to Google.

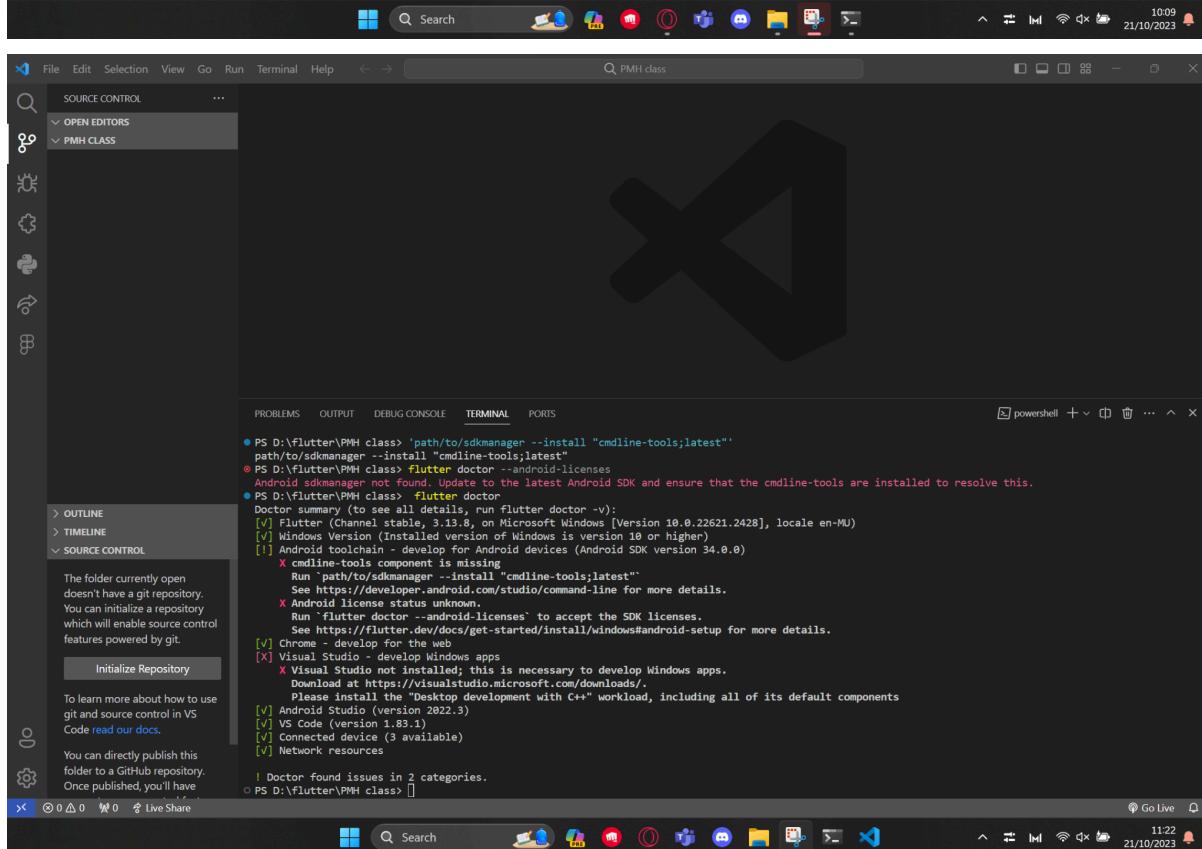
Read about data we send with crash reports:
https://flutter.dev/docs/reference/crash-reporting

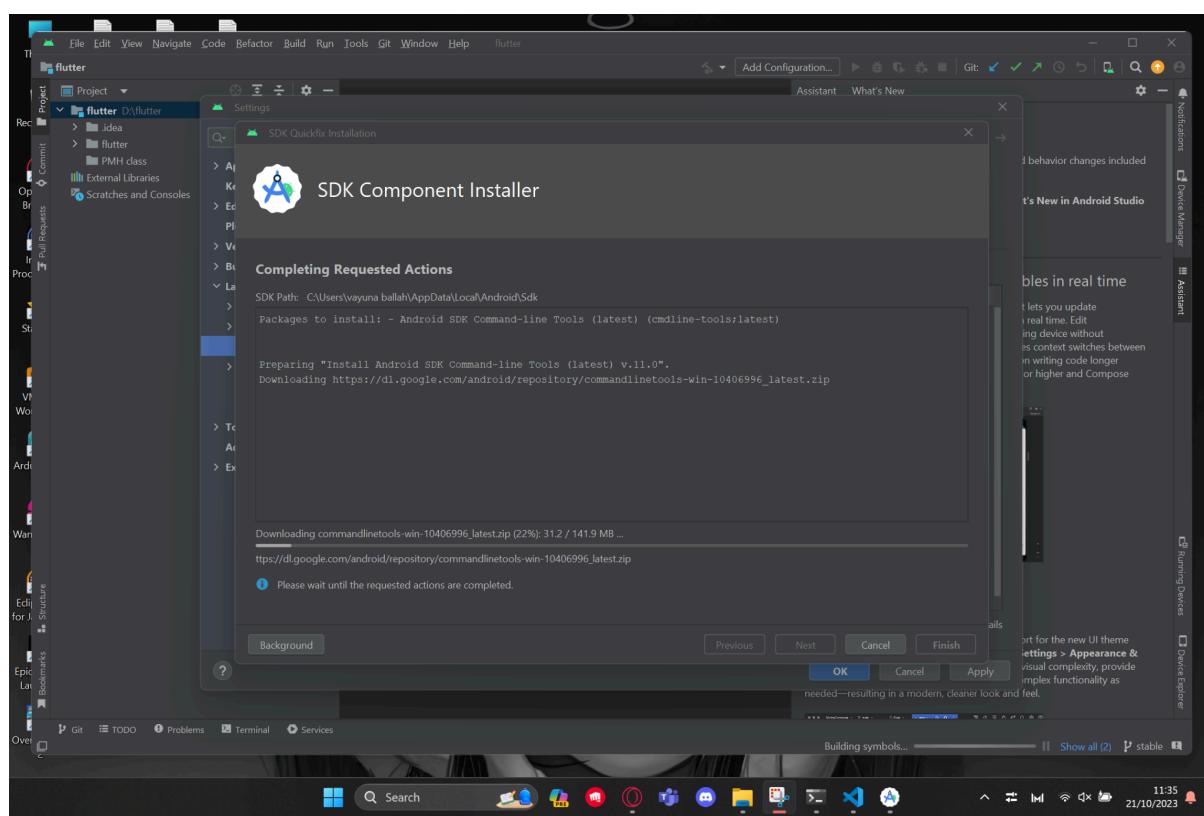
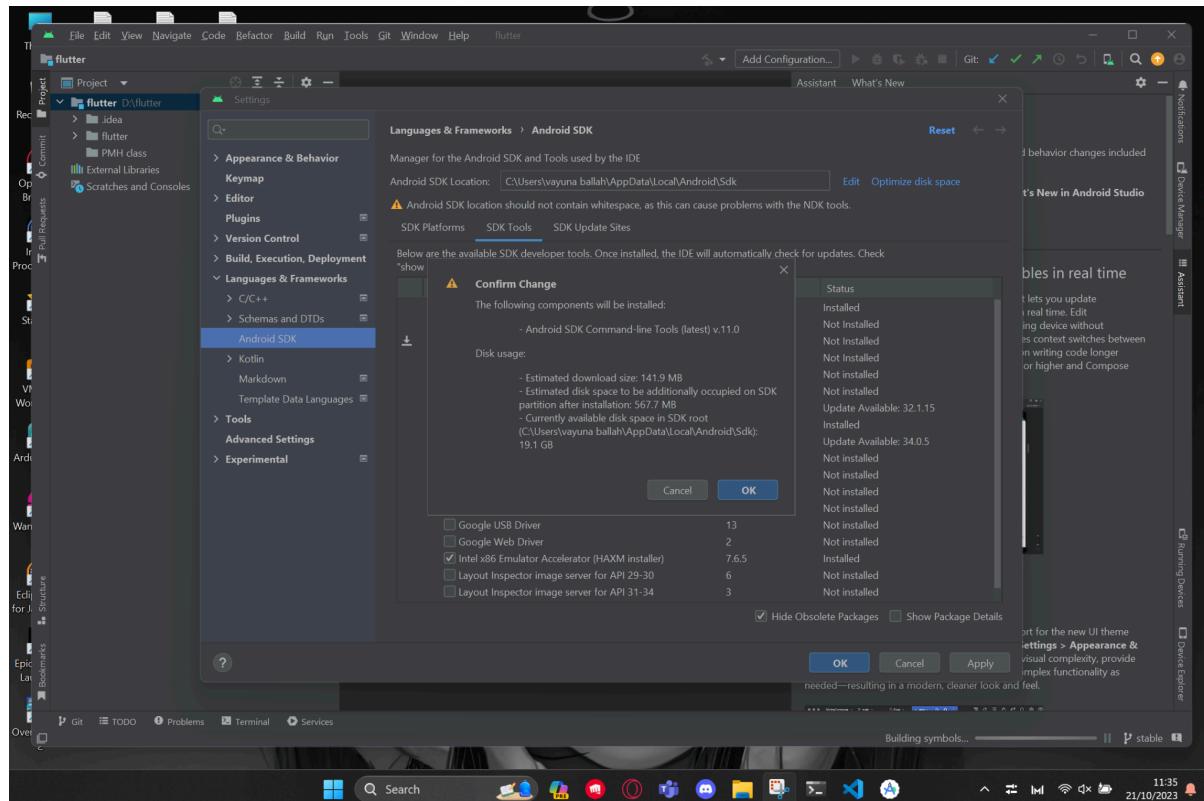
See Google's privacy policy:
https://policies.google.com/privacy

Terminate batch job (Y/N)? y

C:\Users\vayuna ballah>.flutter doctor
'.flutter' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\vayuna ballah>
```





```
Command Prompt - flutter d × + ▾

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Accept? (y/N): y
All SDK package licenses accepted

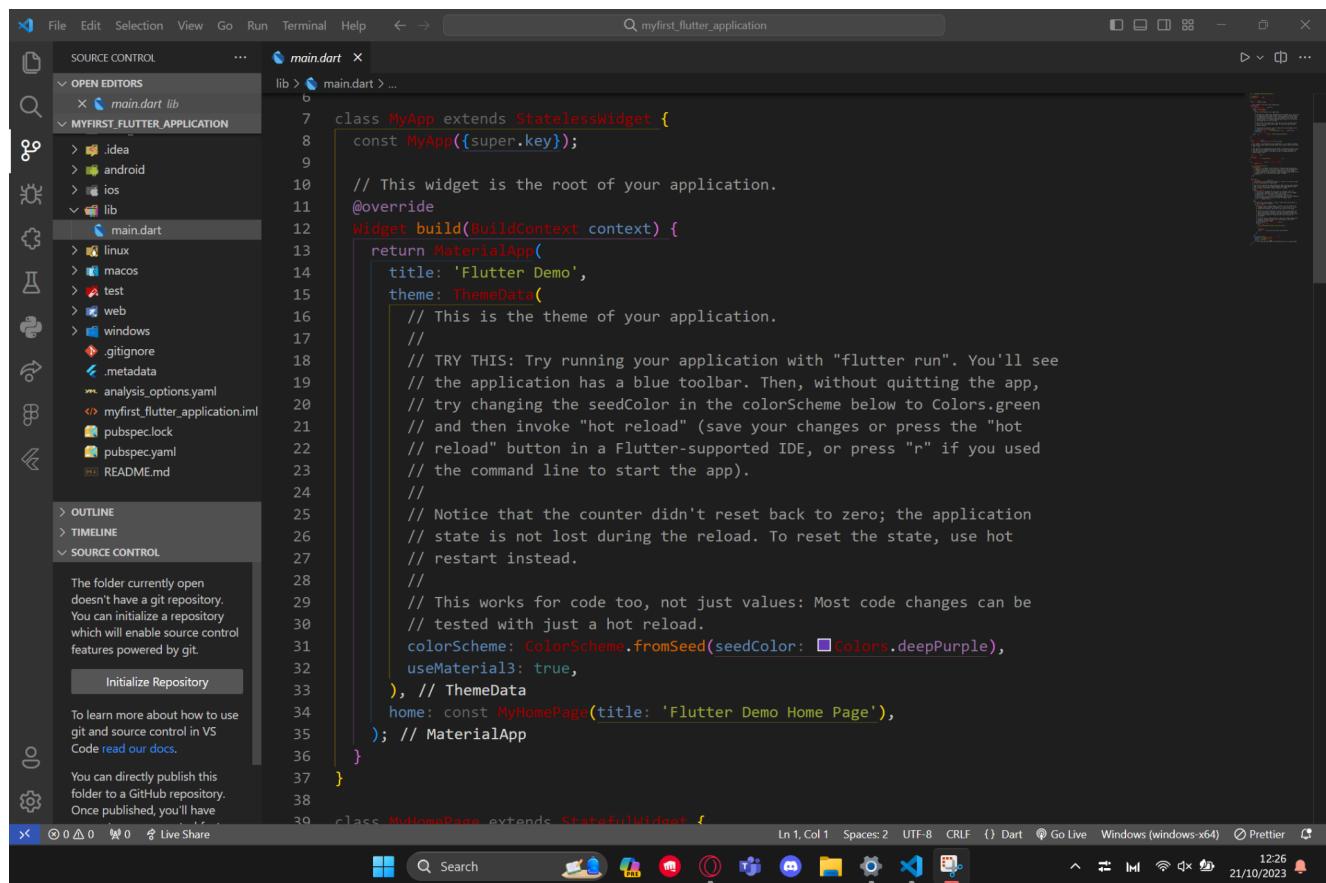
C:\Users\vayuna ballah>flutter doctor
Doctor summary (to see all details, run flutter doctor -v):
[!] Flutter (Channel stable, 3.13.8, on Microsoft Windows [Version 10.0.22621.2428], locale en-MU)
[!] Windows Version (Installed version of Windows is version 10 or higher)
[!] Android toolchain - develop for Android devices (Android SDK version 34.0.0)
[!] Chrome - develop for the web
[!] Visual Studio - develop Windows apps
  X Visual Studio not installed; this is necessary to develop Windows apps.
    Download at https://visualstudio.microsoft.com/downloads/.
    Please install the "Desktop development with C++" workload, including all of its default components
[?] Android Studio (version 2022.3)
[?] VS Code (version 1.83.1)
[?] Connected device (3 available)
[?] Network resources

! Doctor found issues in 1 category.

C:\Users\vayuna ballah>
```

Task 2 - Create your first Flutter App in VSCode or Android Studio

https://github.com/Vayuna2110/TP1_Vayunaballah



The screenshot shows the VSCode interface with the following details:

- File Explorer:** Shows the project structure for "MYFIRST_FLUTTER_APPLICATION". It includes folders for "idea", "android", "ios", and "lib", along with files like "main.dart", ".gitignore", ".metadata", "analysis_options.yaml", "myfirst_flutter_application.iml", "pubspec.lock", "pubspec.yaml", and "README.md".
- Editor:** The main editor area displays the "main.dart" file content. The code defines a StatelessWidget named "MyApp" which extends "StatelessWidget". It sets the title to "Flutter Demo" and uses a ThemeData with a color scheme from seedColor. The "home" property points to a "MyHomePage" widget.
- Bottom Bar:** Includes icons for search, file operations, and various extensions. Status bar text: "Ln 1, Col 1 Spaces: 2 UTF-8 CRLF {} Dart ⚡ Go Live Windows (windows-x64) ⚡ Prettier ⚡".
- Right Panel:** Shows a preview of the Flutter application running on an iPhone X device.

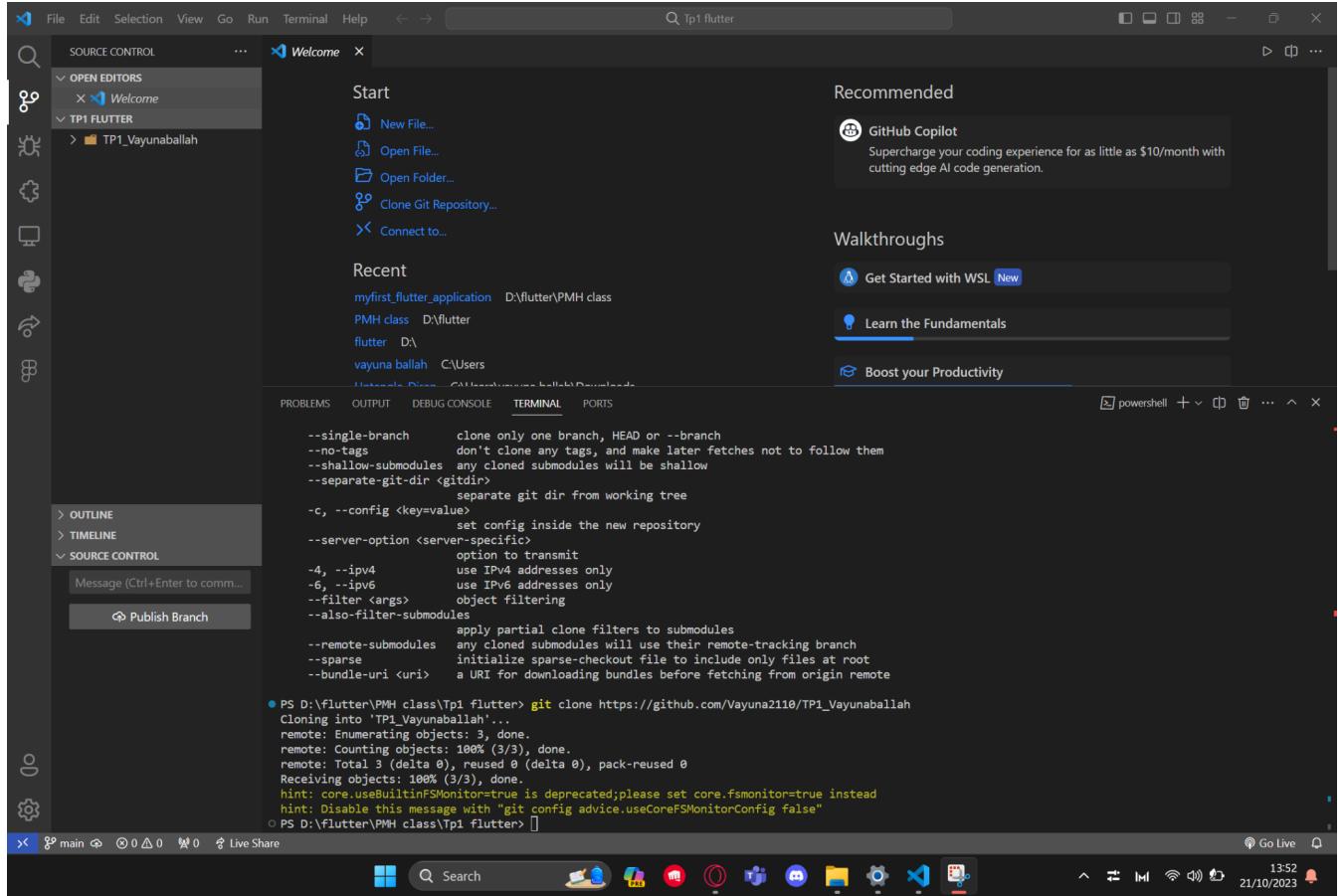
```

class MyApp extends StatelessWidget {
  const MyApp({super.key});

  // This widget is the root of your application.
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Flutter Demo',
      theme: ThemeData(
        // This is the theme of your application.
        //
        // TRY THIS: Try running your application with "flutter run". You'll see
        // the application has a blue toolbar. Then, without quitting the app,
        // try changing the seedColor in the colorScheme below to Colors.green
        // and then invoke "hot reload" (save your changes or press the "hot
        // reload" button in a Flutter-supported IDE, or press "r" if you used
        // the command line to start the app).
        //
        // Notice that the counter didn't reset back to zero; the application
        // state is not lost during the reload. To reset the state, use hot
        // restart instead.
        //
        // This works for code too, not just values: Most code changes can be
        // tested with just a hot reload.
        colorScheme: ColorScheme.fromSeed(seedColor: Colors.deepPurple),
        useMaterial3: true,
      ), // ThemeData
      home: const MyHomePage(title: 'Flutter Demo Home Page'),
    ); // MaterialApp
}

class MyHomePage extends StatefulWidget {
  ...
}

```



The screenshot shows the Visual Studio Code (VS Code) interface. The terminal window at the bottom displays the following command and its execution:

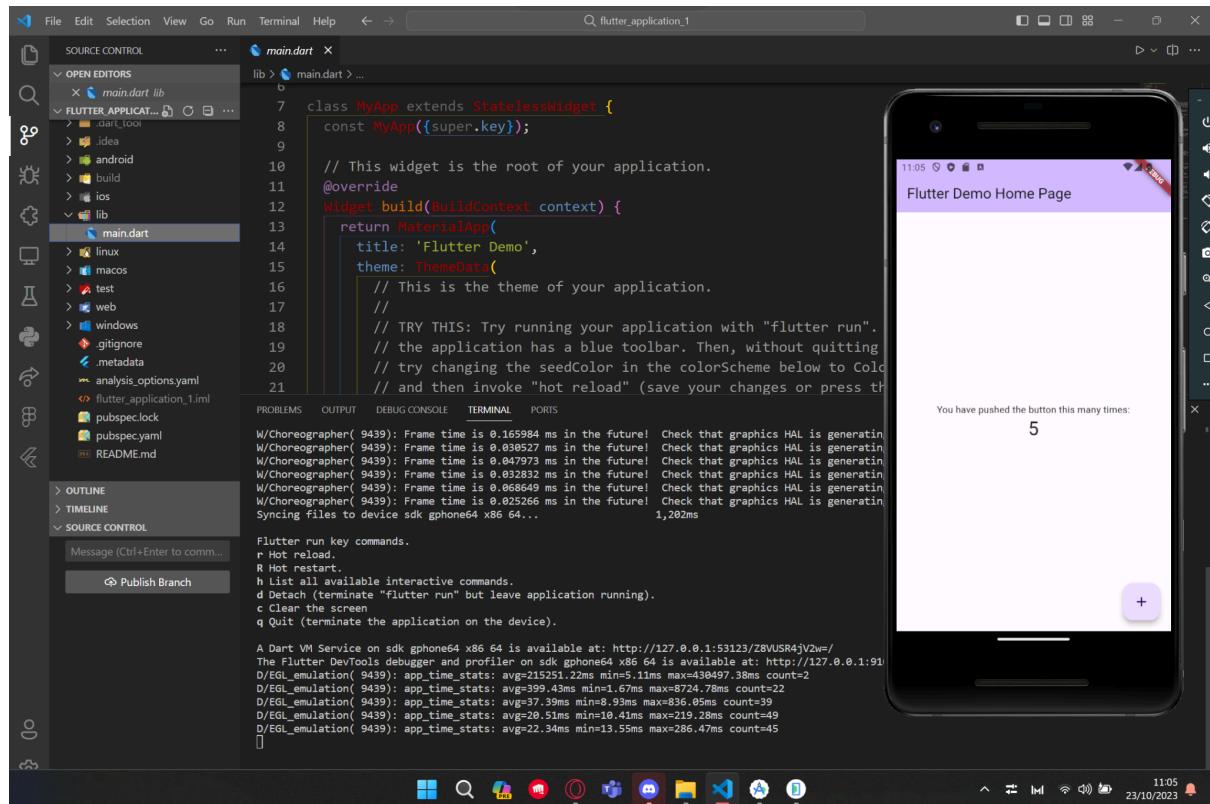
```

● PS D:\Flutter\PMH class\Tp1 flutter> git clone https://github.com/Vayuna2110/Tp1_Vayunaballah
Cloning into 'Tp1_Vayunaballah'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.
hint: core.useBuiltinFSMonitor=true is deprecated; please set core.fsmonitor=true instead
hint: Disable this message with "git config advice.useCoreFSMonitorConfig false"
● PS D:\Flutter\PMH class\Tp1 flutter> []

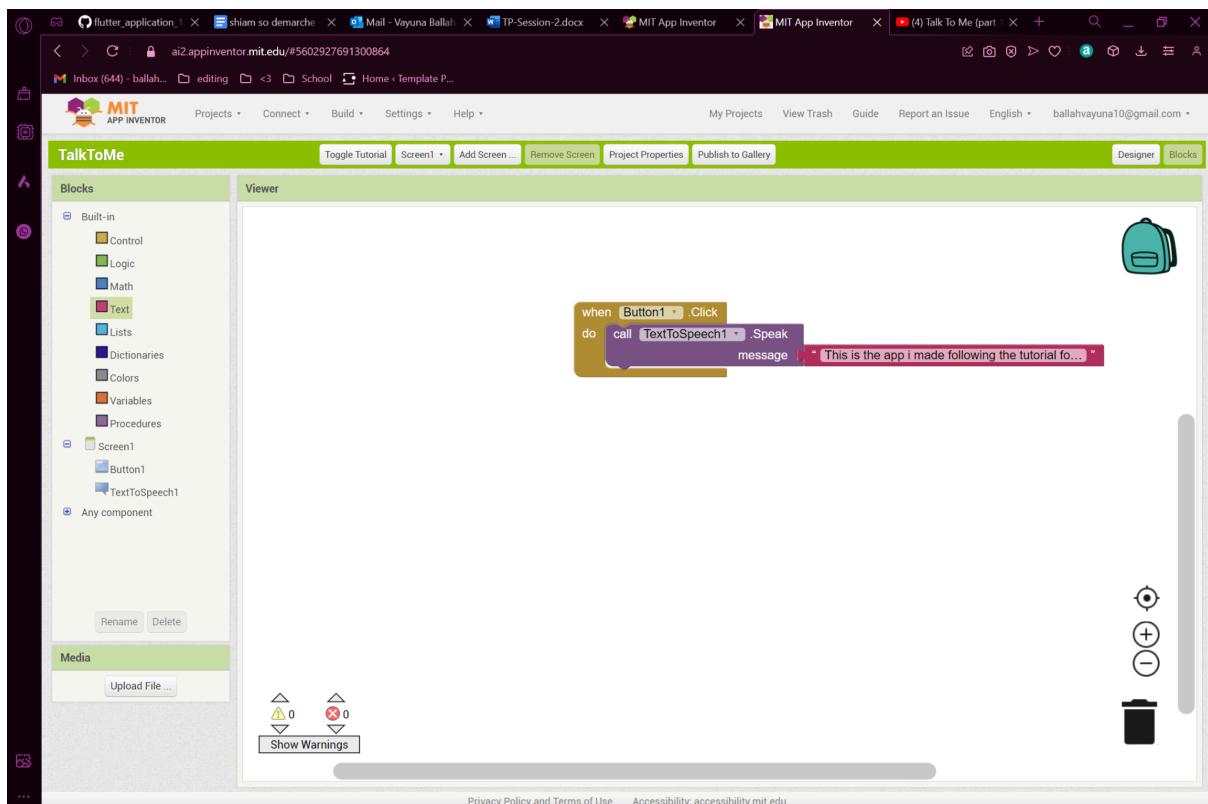
```

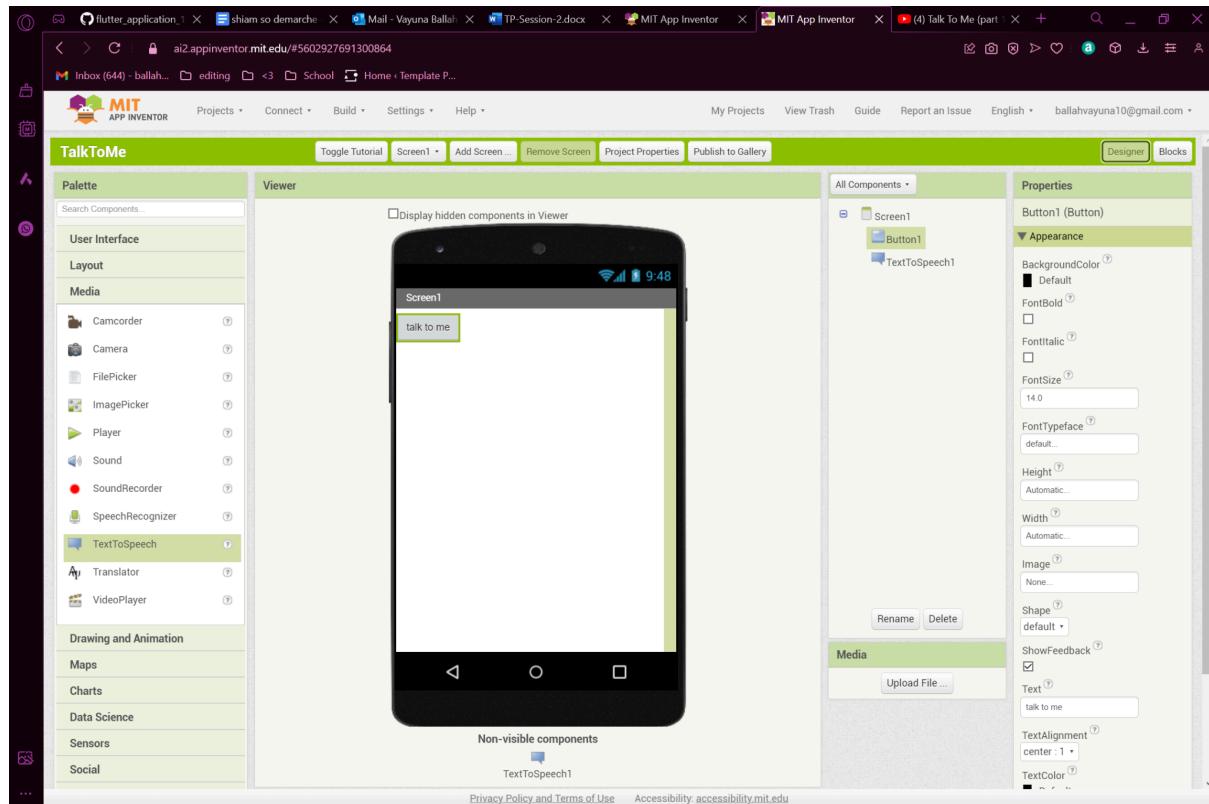
The terminal window is part of a larger VS Code environment. The sidebar on the left shows a project structure with files like 'Welcome', 'TP1 FLUTTER', and 'TP1_Vayunaballah'. The main workspace shows recent files and a GitHub Copilot recommendation. The bottom status bar indicates the date as 21/10/2023 and the time as 13:52.

Running default app on android studio using command (flutter run)



Following the tutorial of MIT app inventor to create Talk to me app :





This is a video showing you that the app works on my phone :

[► MIT app _talk to me .mp4](#)