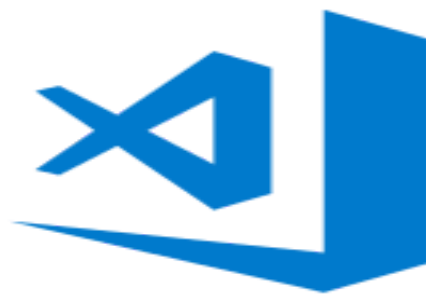


Android Studio

 Neowin





Visual Studio Code

Session 3

Summary:-

1. In today's session we saw the importance of Dart language in flutter frameworks, installation of Dart-SDK, setting its path in Laptop/pc and setting a mobile phone to developer mode in order to run our first app.
2. Dart is an open-source language meant for the server as well as the browser. Dart has a Dart Virtual Machine for Dart interpreter purpose. Dart files have ".dart" extension.
3. The Dart SDK has the libraries and command-line tools that you need to develop Dart web, command-line, and server apps.
4. Dart has its own compiler and interpreter. We need Dart Interpreter when we run the code on windows.
5. So we need to change our Mobile phone into Developer Mode.
6. When we run the AVD manager (or virtual device) then it consumes nearly around 3 to 4 GB of RAM, so to avoid that we can launch our application in our mobile phones itself by switching our mobile to developer mode.
7. To Set your phone into developer mode there are number of steps which are as follows:
 - I. Use USB cable to connect your phone to the PC/Laptop.
 - II. Go to settings.
 - III. Look for About Phone then for build version.
 - IV. Tap for about 3-7 times.
 - V. Then the setting is done for your android app to run on mobile phone.
 - VI. We also have to enable USB Debugger option.
8. Main function is the entry point of Dart. It plays a vital role in Dart language. If you have number of files open with different function it will not run until you specify the function present in different files in main function files.
9. Import is a keyword that helps in loading the module to the workspace (main.dart) in program. If we do not import the files, it may cause an error in the main.dart file.
10. The first basic program includes :-
runapp() is a function to run the app.
MaterialApp() function is a function to create the app.
The screen appears after launching the app is called a widget.
11. The programs written in other file which we import in main.dart file using import keyword is called modules.


[Samples & tutorials](#) 
[Language](#) 
[Core libraries](#) 
[Packages](#) 
[Development](#) 
[Tools & techniques](#) 
[Resources](#) 
[Related sites](#) 
[API reference](#)
[Blog](#)
[DartPad \(online editor\)](#)
[Flutter](#)
[Package site](#)

Get the Dart SDK


[Contents](#)

Installing the Dart SDK
About release channels
and version strings


This page describes how to download the Dart SDK. The Dart SDK has the libraries and command-line tools that you need to develop Dart command-line, server, and non-Flutter web apps. For details, see the [Dart SDK overview](#).

As of Flutter 1.20, the [Flutter SDK](#) includes the Dart SDK. So if you have Flutter installed, you might not need to explicitly download the Dart SDK. Consider downloading the Dart SDK if any of the following are true:

- You don't use Flutter.
- You use a pre-1.20 version of Flutter.
- You want to reduce disk space requirements or download time, and your use case doesn't require Flutter. For example, you might have a continuous integration (CI) setup that requires Dart but not Flutter.

Installing the Dart SDK

As the following instructions show, you can use a package manager to easily install and update a stable channel Dart SDK. Alternatively, you can [build the SDK from source](#) or install from [any release channel](#) by [downloading the SDK as a zip file](#).

 Dart tools may send usage metrics and crash reports to Google. By downloading the Dart SDK, you agree to the [Google Terms of Service](#).  Note: The [Google Privacy Policy](#)  describes how data is handled in this service.

[Windows](#)
[Linux](#)
[Mac](#)

Dart

Docs

Platforms

Community

Try Dart

Get Dart

Samples & tutorials

Language

Core libraries

Packages

Development

Tools & techniques

Overview

Editors & debuggers

Command-line tools

Dart SDK

Overview

dart (Dart VM)

dart2js (prod JS)

dart2native

dartanalyzer

dartaotruntime

dartdevc (dev JS)

Stable channel

Stable channel builds are tested and approved for production use.

Version: 2.8.4 < OS: Windows <

Version	OS	Architecture	Downloads
2.8.4 (ref caebd67)	Windows	ia32	Dart SDK (SHA-256)
2.8.4 (ref caebd67)	Windows	x64	Dart SDK (SHA-256)
2.8.4 (ref caebd67)	---	---	API docs

Beta channel

Beta channel builds are preview builds for the stable channel. We recommend testing, but not releasing, your apps against beta to preview new features or test compatibility with future releases. Beta channel builds are not suitable for production use.

Version: 2.9.0-21.4.beta < OS: Windows <

Version	OS	Architecture	Downloads
2.9.0-21.4.beta (ref 8feb05c)	Windows	ia32	Dart SDK (SHA-256)
2.9.0-21.4.beta (ref 8feb05c)	Windows	x64	Dart SDK (SHA-256)
2.9.0-21.4.beta (ref 8feb05c)	---	---	API docs

Contents

[Stable channel](#)

Beta channel

Dev channel

Download URLs

```
C:\src\flutter\projects>flutter create test_app2
Creating project test_app2...
test_app2\.gitignore (created)
test_app2\.idea\libraries\Dart_SDK.xml (created)
test_app2\.idea\libraries\Flutter_for_Android.xml (created)
test_app2\.idea\libraries\KotlinJavaRuntime.xml (created)
test_app2\.idea\modules.xml (created)
test_app2\.idea\runConfigurations\main_dart.xml (created)
test_app2\.idea\workspace.xml (created)
test_app2\.metadata (created)
test_app2\android\app\build.gradle (created)
test_app2\android\app\src\main\kotlin\com\example\test_app2\MainActivity.kt (created)
test_app2\android\build.gradle (created)
test_app2\android\test_app2_android.iml (created)
test_app2\android\.gitignore (created)
test_app2\android\app\src\debug\AndroidManifest.xml (created)
test_app2\android\app\src\main\AndroidManifest.xml (created)
test_app2\android\app\src\main\res\drawable\launch_background.xml (created)
test_app2\android\app\src\main\res\mipmap-hdpi\ic_launcher.png (created)
test_app2\android\app\src\main\res\mipmap-mdpi\ic_launcher.png (created)
test_app2\android\app\src\main\res\mipmap-xhdpi\ic_launcher.png (created)
test_app2\android\app\src\main\res\mipmap-xxhdpi\ic_launcher.png (created)
test_app2\android\app\src\main\res\mipmap-xxxhdpi\ic_launcher.png (created)
test_app2\android\app\src\main\res\values\styles.xml (created)
test_app2\android\app\src\profile\AndroidManifest.xml (created)
test_app2\android\gradle\wrapper\gradle-wrapper.properties (created)
test_app2\android\gradle.properties (created)
test_app2\android\settings.gradle (created)
test_app2\ios\Runner\AppDelegate.swift (created)
test_app2\ios\Runner\Runner-Bridging-Header.h (created)
test_app2\ios\Runner\Xcodeproj\project.pbxproj (created)
test_app2\ios\Runner\Xcodeproj\xcshareddata\xcschemes\Runner.xcscheme (created)
test_app2\ios\.gitignore (created)
test_app2\ios\Flutter\AppFrameworkInfo.plist (created)
test_app2\ios\Flutter\Debug.xcconfig (created)
test_app2\ios\Flutter\Release.xcconfig (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Contents.json (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-1024x1024@1x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-20x20@1x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-20x20@2x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-20x20@3x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-29x29@1x.png (created)
```

```
test_app2\ios\Runner\AppDelegate.swift (created)
test_app2\ios\Runner\Runner-Bridging-Header.h (created)
test_app2\ios\Runner.xcodeproj\project.pbxproj (created)
test_app2\ios\Runner.xcodeproj\xcschemadata\xcschemes\Runner.xcscheme (created)
test_app2\ios\Runner.xcodeproj\project.pbxproj (created)
test_app2\ios\Flutter\FlutterAppDelegate.swift (created)
test_app2\ios\Flutter\Flutter-Bridging-Header.h (created)
test_app2\ios\Flutter\Debug.xcconfig (created)
test_app2\ios\Flutter\Release.xcconfig (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Contents.json (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-1024x1024@1x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-20x20@1x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-20x20@2x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-20x20@3x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-29x29@1x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-29x29@2x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-29x29@3x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-40x40@1x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-40x40@2x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-40x40@3x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-60x60@2x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-60x60@3x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-76x76@1x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-76x76@2x.png (created)
test_app2\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-83.5x83.5@2x.png (created)
test_app2\ios\Runner\Assets.xcassets\LaunchImage.imageset\Contents.json (created)
test_app2\ios\Runner\Assets.xcassets\LaunchImage.imageset\LaunchImage.png (created)
test_app2\ios\Runner\Assets.xcassets\LaunchImage.imageset\LaunchImage@2x.png (created)
test_app2\ios\Runner\Assets.xcassets\LaunchImage.imageset\LaunchImage@3x.png (created)
test_app2\ios\Runner\Assets.xcassets\LaunchImage.imageset\README.md (created)
test_app2\ios\Runner\Base.lproj\LaunchScreen.storyboard (created)
test_app2\ios\Runner\Base.lproj\Main.storyboard (created)
test_app2\ios\Runner\Info.plist (created)
test_app2\ios\Runner.xcodeproj\project.xcworkspace\contents.xcworkspacedata (created)
test_app2\ios\Runner.xcodeproj\project.xcworkspace\xcschemadata\IDEWorkspaceChecks.plist (created)
test_app2\ios\Runner.xcodeproj\project.xcworkspace\xcschemadata\WorkspaceSettings.xcsettings (created)
test_app2\ios\Runner.xcworkspace\contents.xcworkspacedata (created)
test_app2\ios\Runner.xcworkspace\xcschemadata\IDEWorkspaceChecks.plist (created)
test_app2\ios\Runner.xcworkspace\xcschemadata\WorkspaceSettings.xcsettings (created)
test_app2\lib\main.dart (created)
test_app2\test_app2.iml (created)
test_app2\pubspec.yaml (created)
test_app2\README.md (created)
Running "flutter pub get" in test_app2... 5.4s
 wrote 72 files.
```

```

C:\ Command Prompt
Microsoft Windows [Version 10.0.18362.900]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Asus>cd C:\src\flutter

C:\src\flutter>cd projects

C:\src\flutter\projects>dir
Volume in drive C is OS
Volume Serial Number is 3CCE-7C22

Directory of C:\src\flutter\projects

20/07/2020  11:13 PM    <DIR>          .
20/07/2020  11:13 PM    <DIR>          ..
17/07/2020  02:29 AM    <DIR>          test_app
20/07/2020  11:23 PM    <DIR>          test_app2
               0 File(s)              0 bytes
               4 Dir(s)  12,385,419,264 bytes free

C:\src\flutter\projects>

```




usb debugging for moto



All

Videos

Images

News

Shopping

More

Settings

Tools

About 10,80,000 results (0.38 seconds)

Moto G Play - USB Debugging Mode

- From a Home screen, navigate: Apps > Settings > Developer options
- Ensure the Developer options switch (located in the upper-right) is turned on .
- Tap **USB debugging** to turn on or off .
- If presented with "Allow **USB debugging**?" screen, tap OK.

www.verizon.com > ... > Moto G Play > How to Use ▾

[Moto G Play - USB Debugging Mode | Verizon](#)

About Featured Snippets Feedback

www.verizon.com > ... > How to Use ▾

[moto g power - USB Debugging Mode | Verizon](#)

moto g⁷ power - USB Debugging Mode From a Home screen, swipe up to access all apps. Navigate: Settings > System > Developer options . Tap Developer options. Ensure that the Developer options switch (upper-right) is turned on . Tap **USB debugging** to turn on or off . If presented with the 'Allow **USB debugging**'

System Properties

Computer Name Hardware Advanced System Protection Remote

You must be logged on as an Administrator to make most of these changes.

Performance

Visual effects, processor scheduling, memory usage, and virtual memory

Settings...

User Profiles

Desktop settings related to your sign-in

Settings...

Startup and Recovery

System startup, system failure, and debugging information

Settings...

Environment Variables...

OK

Cancel

Apply

ATA (D:)

ATA (E:)

ew Volume (F:)

etwork

Environment Variables

Edit environment variable

C:\src\flutter\flutter\bin
C:\Visual studio code\Microsoft VS Code\bin
C:\src\flutter\flutter_class\dart-sdk\bin

New

Edit

Browse...

Delete

Move Up

Move Down

Edit text...

OK

Cancel

OK

Cancel

```
Command Prompt
Microsoft Windows [Version 10.0.18362.900]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Asus>dart --version
Dart VM version: 2.8.4 (stable) (Wed Jun 3 12:26:04 2020 +0200) on "windows_x64"

C:\Users\Asus>
```

```
Command Prompt
Microsoft Windows [Version 10.0.18362.900]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Asus>cd C:\src\flutter
C:\src\flutter>cd flutter_class
C:\src\flutter\flutter_class>cd dart-sdk
C:\src\flutter\flutter_class\dart-sdk>dir
Volume in drive C is OS
Volume Serial Number is 3CCE-7C22

Directory of C:\src\flutter\flutter_class\dart-sdk

20/07/2020  11:35 PM    <DIR>          .
20/07/2020  11:35 PM    <DIR>          ..
20/07/2020  11:35 PM    <DIR>          bin
20/07/2020  11:35 PM             194 dartdoc_options.yaml
20/07/2020  11:35 PM    <DIR>          include
20/07/2020  11:35 PM    <DIR>          lib
20/07/2020  11:35 PM           1,502 LICENSE
20/07/2020  11:35 PM           981 README
20/07/2020  11:35 PM           42 revision
20/07/2020  11:35 PM            7 version
                5 File(s)          2,726 bytes
                5 Dir(s) 10,671,329,280 bytes free

C:\src\flutter\flutter_class\dart-sdk>
```

```
ca. Select Command Prompt
Microsoft Windows [Version 10.0.18362.900]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Asus>cd C:\src\flutter

C:\src\flutter>cd flutter_class

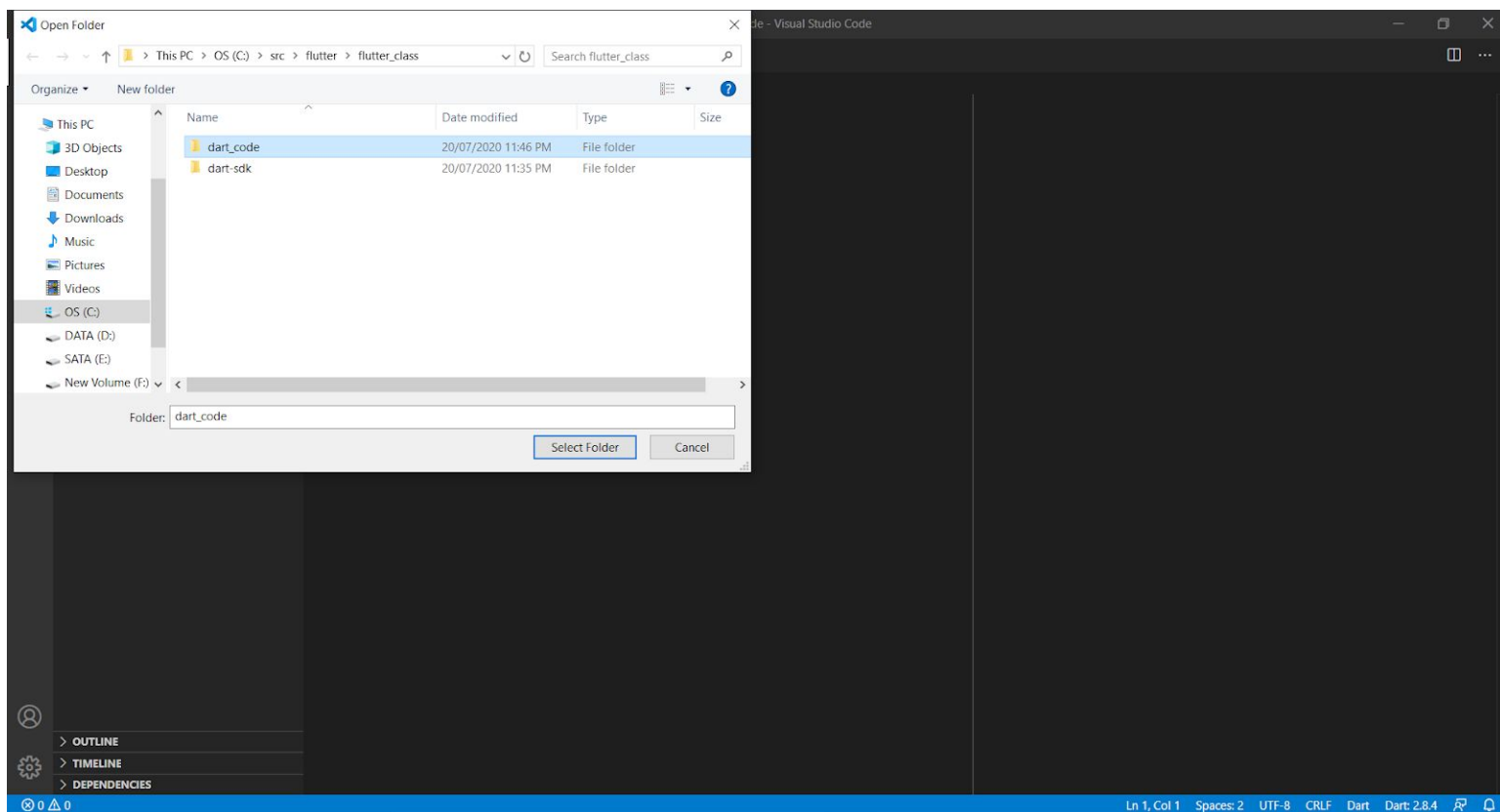
C:\src\flutter\flutter_class>mkdir dart_code

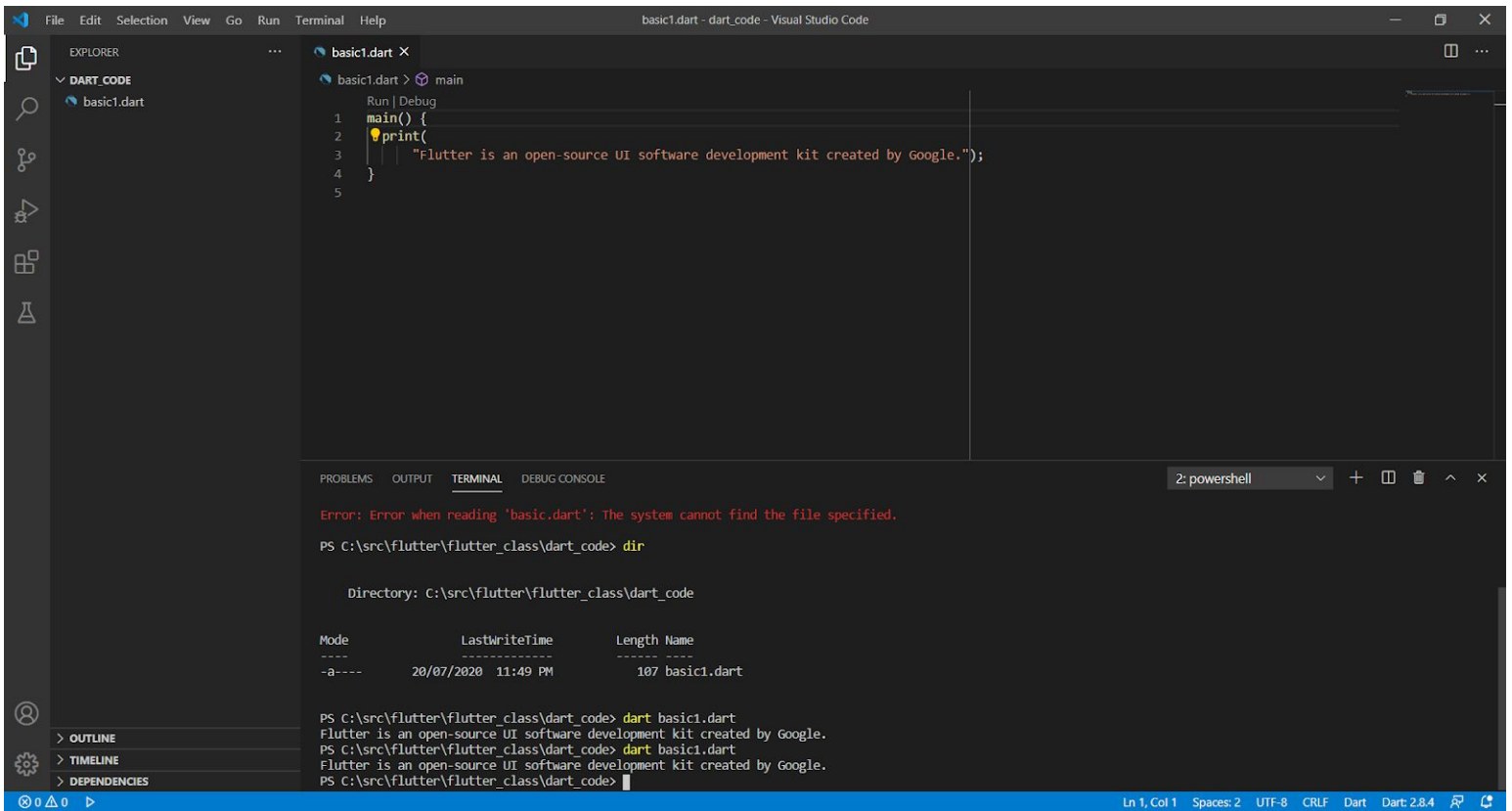
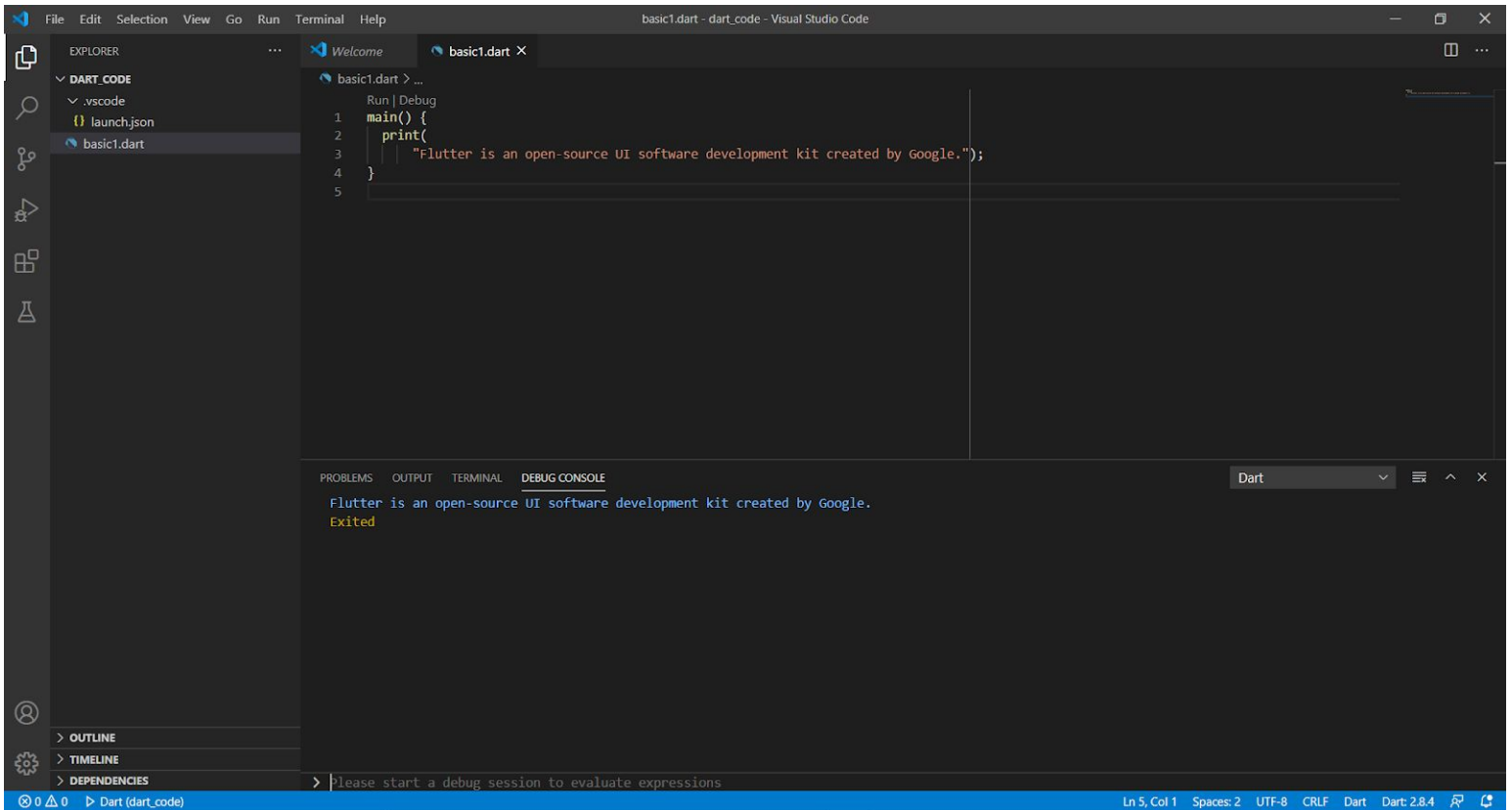
C:\src\flutter\flutter_class>dir
Volume in drive C is OS
Volume Serial Number is 3CCE-7C22

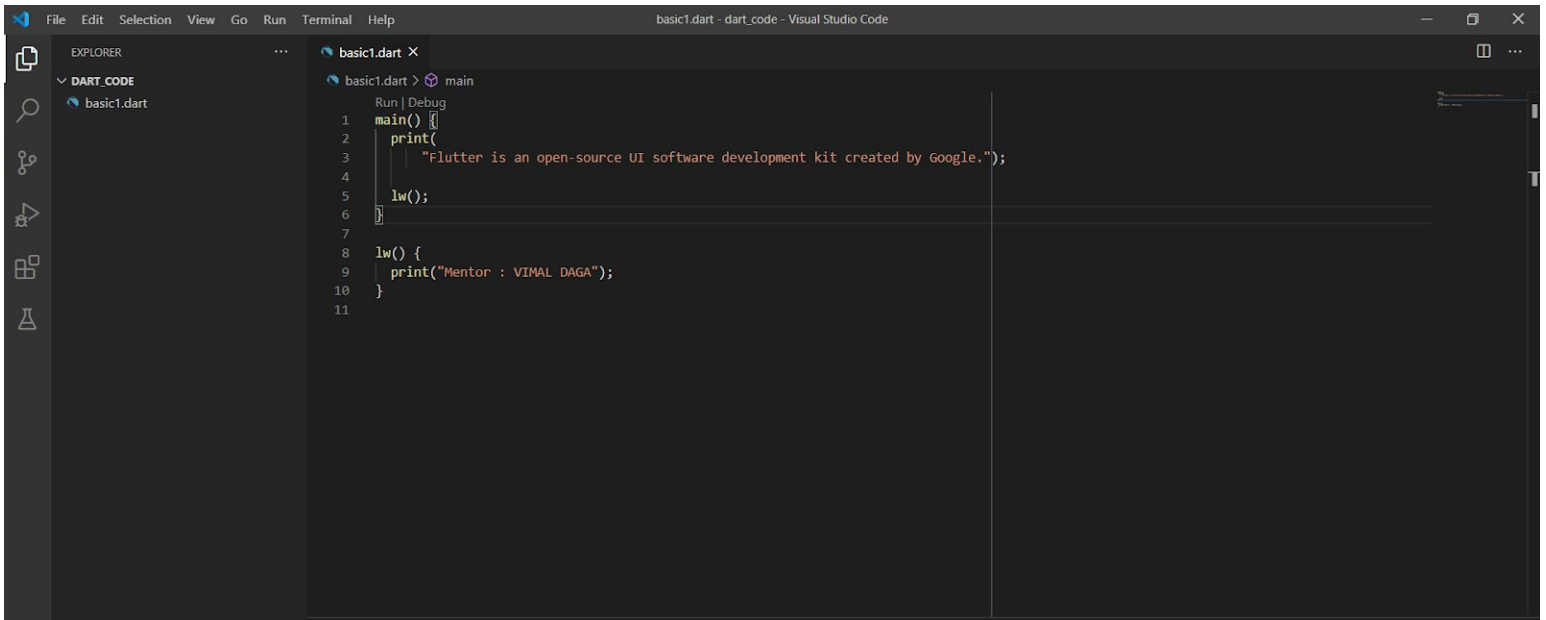
Directory of C:\src\flutter\flutter_class

20/07/2020  11:44 PM    <DIR>          .
20/07/2020  11:44 PM    <DIR>          ..
20/07/2020  11:35 PM    <DIR>          dart-sdk
20/07/2020  11:44 PM    <DIR>          dart_code
               0 File(s)                0 bytes
               4 Dir(s) 10,669,109,248 bytes free

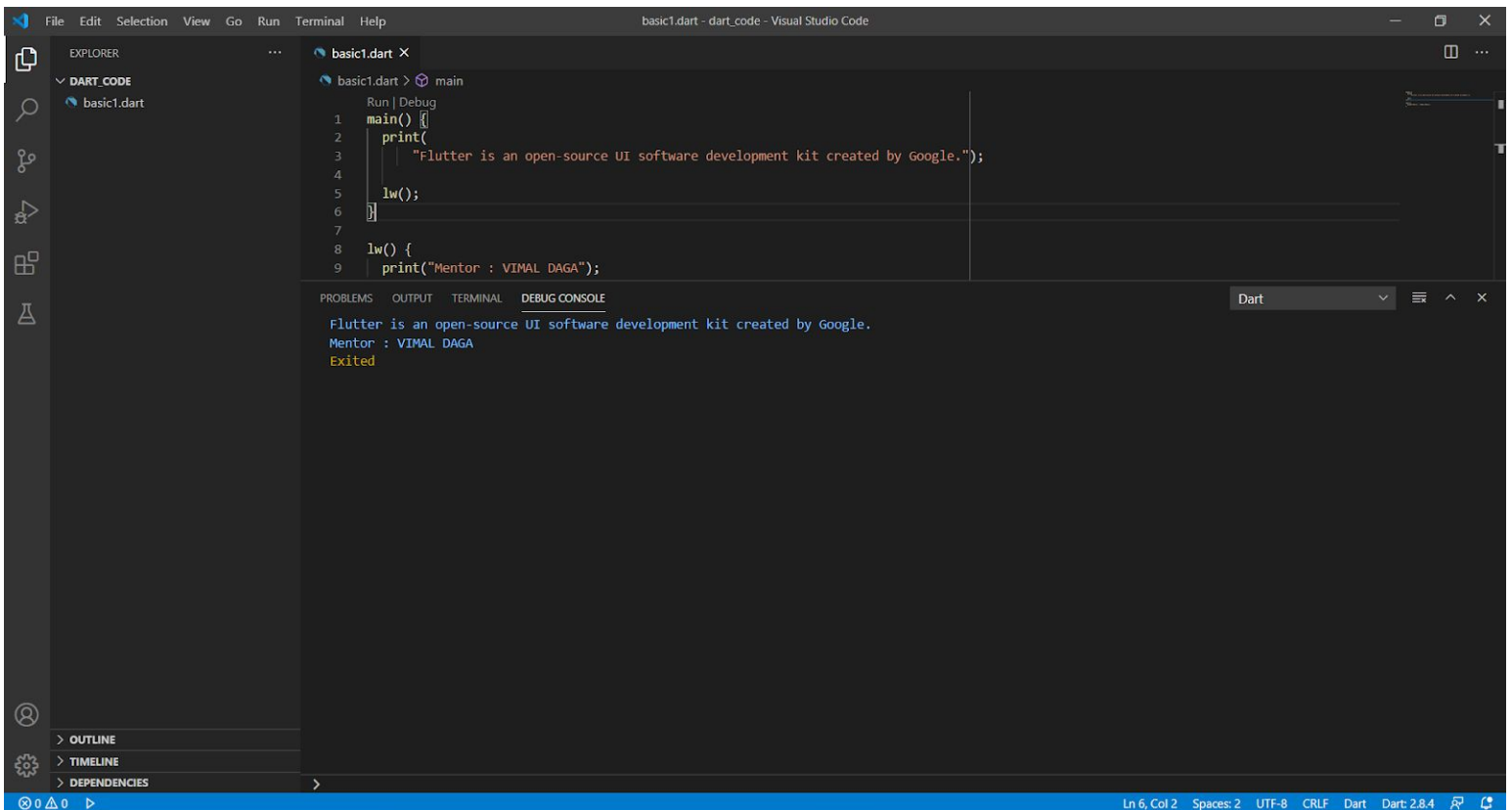
C:\src\flutter\flutter_class>
```

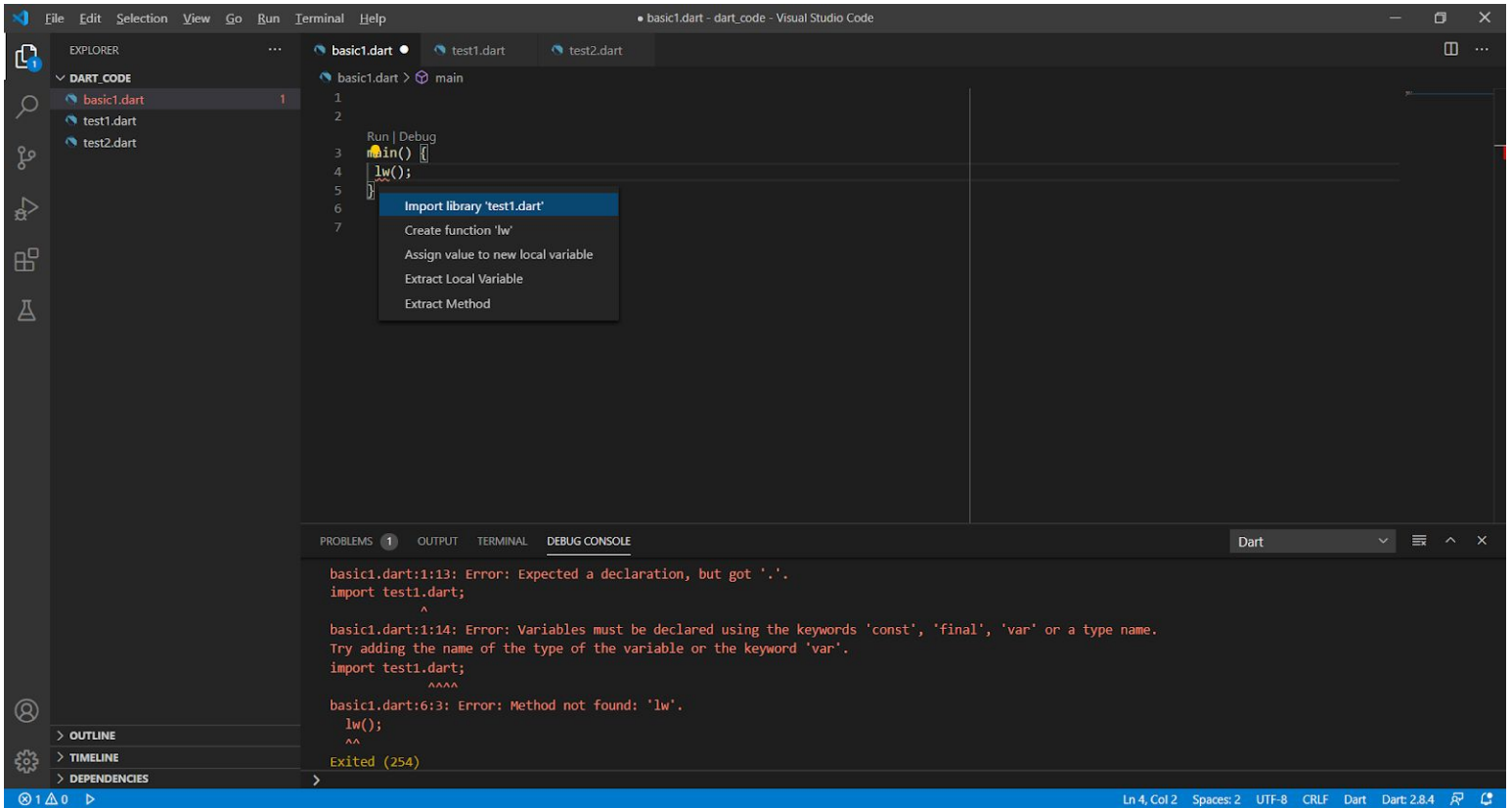
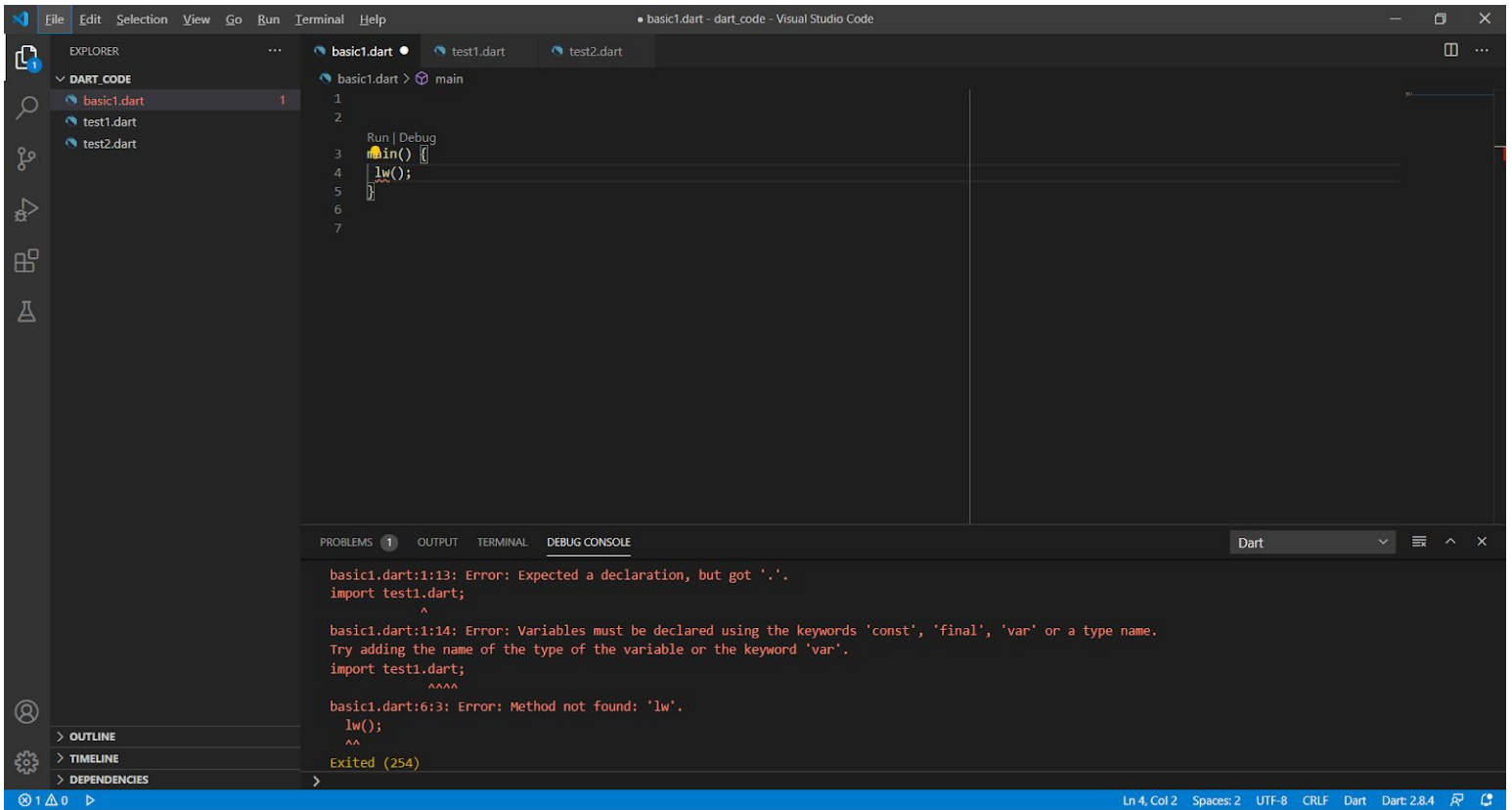


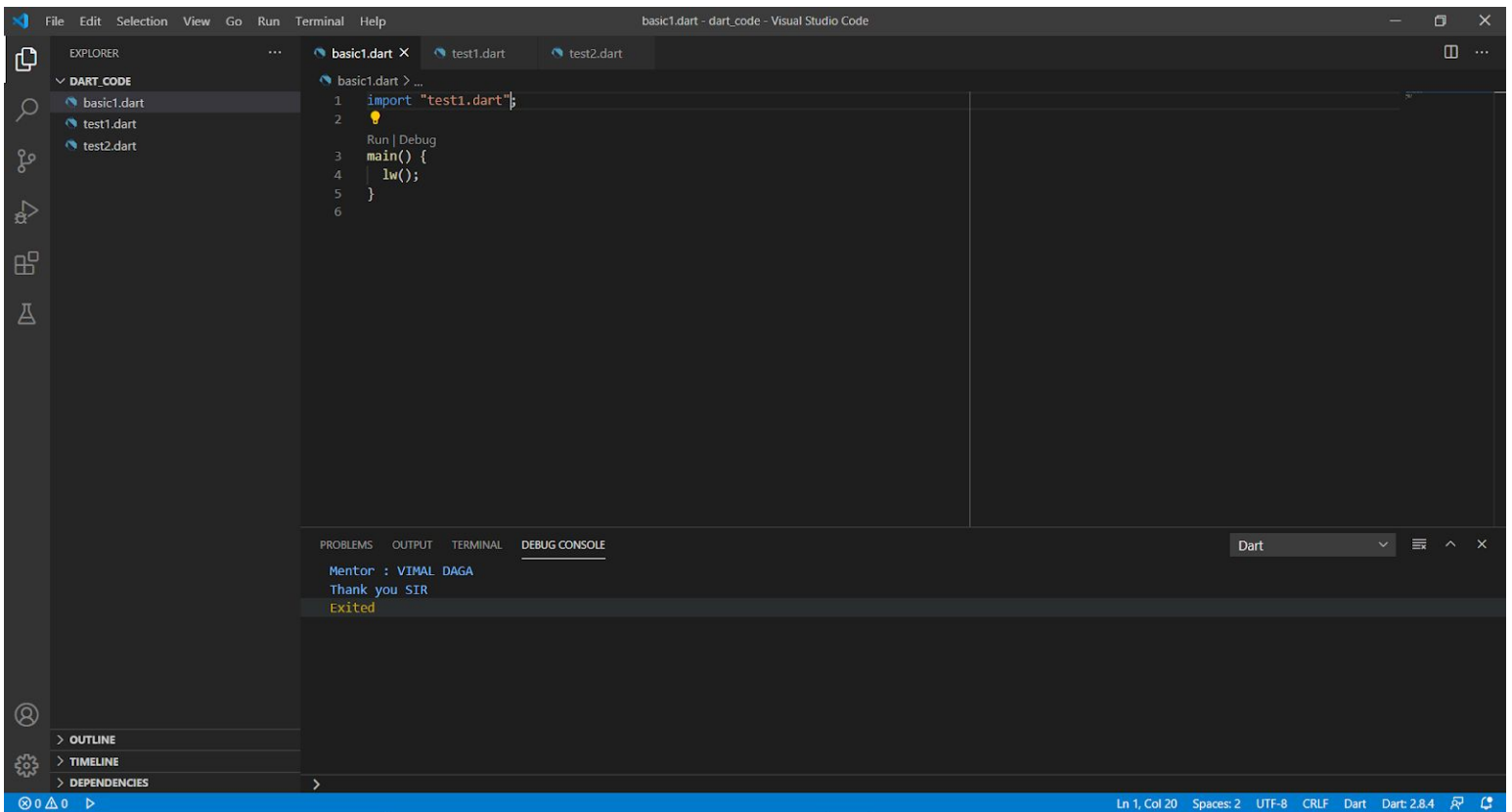




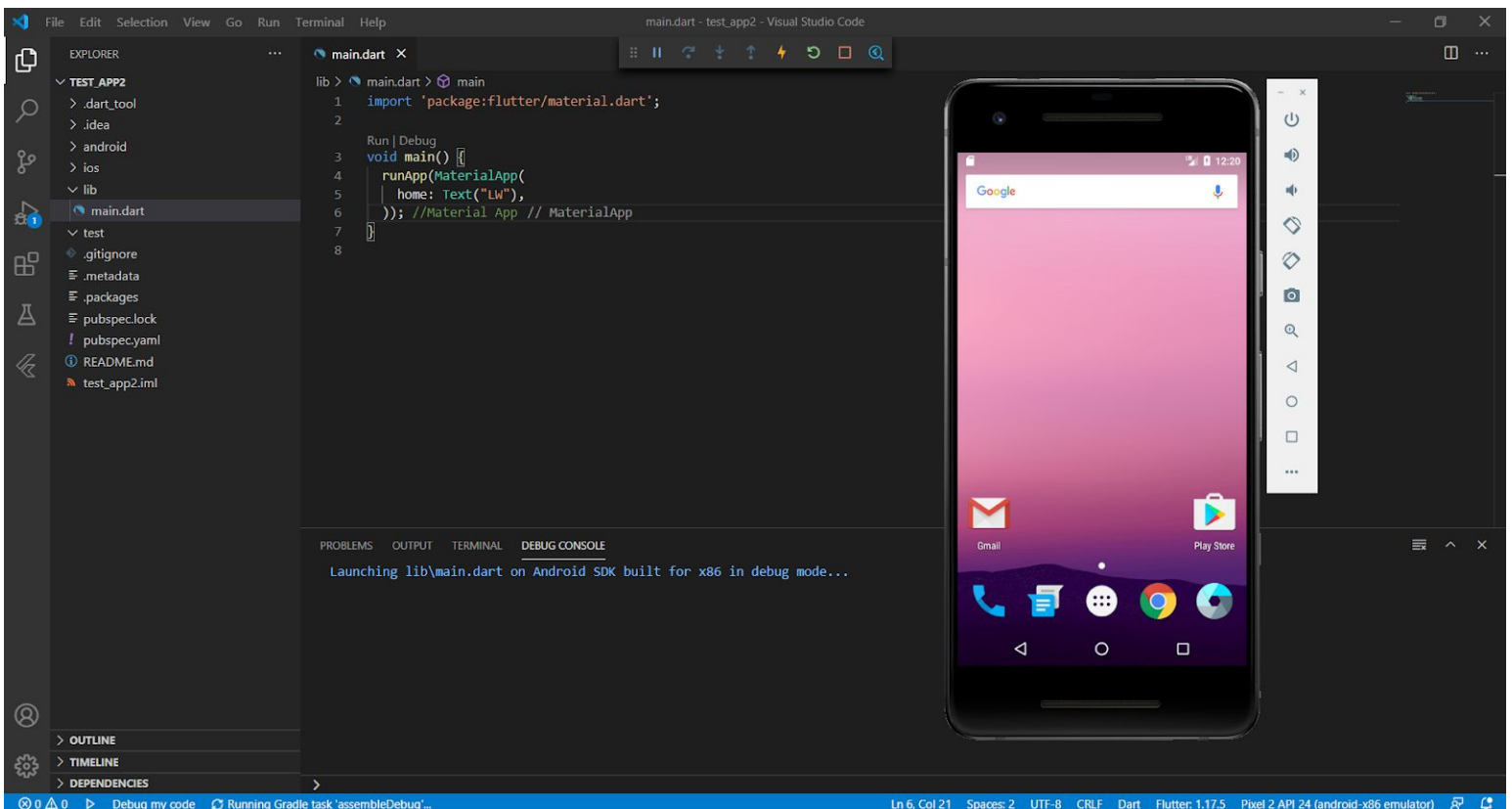
```
PS C:\src\flutter\flutter_class\dart_code> dart basic1.dart  
Flutter is an open-source UI software development kit created by Google.  
Mentor : VIMAL DAGA
```

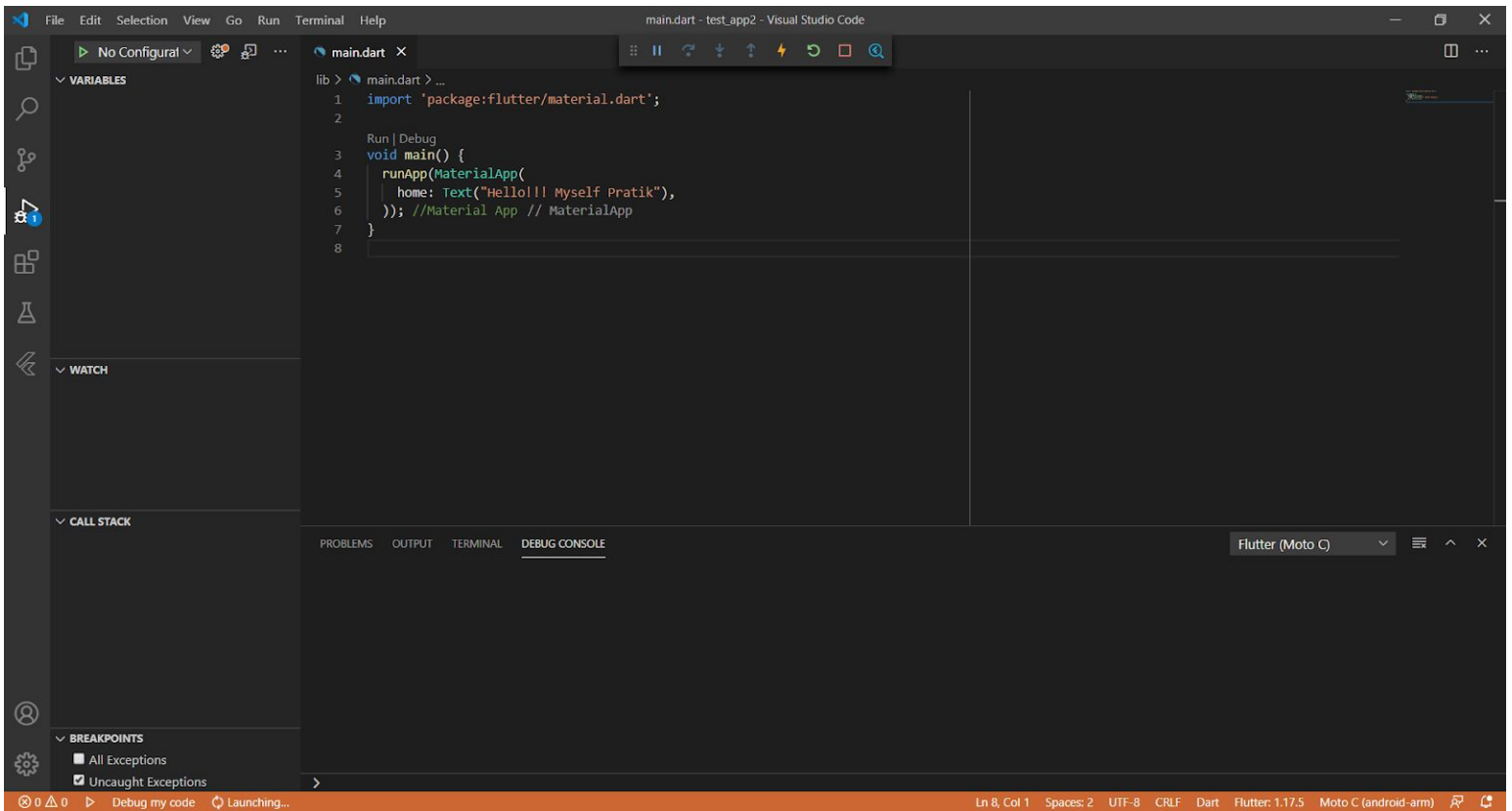
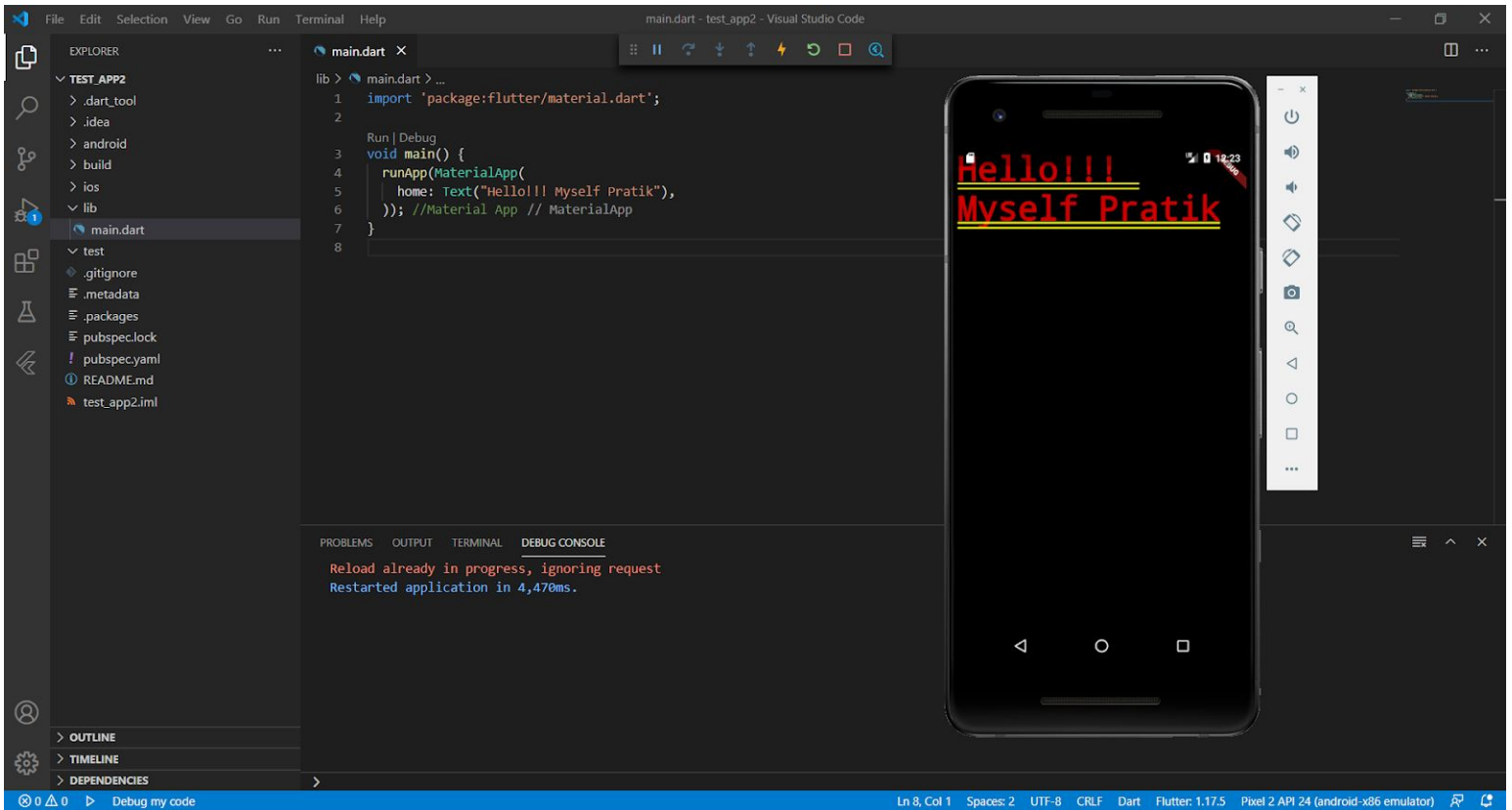


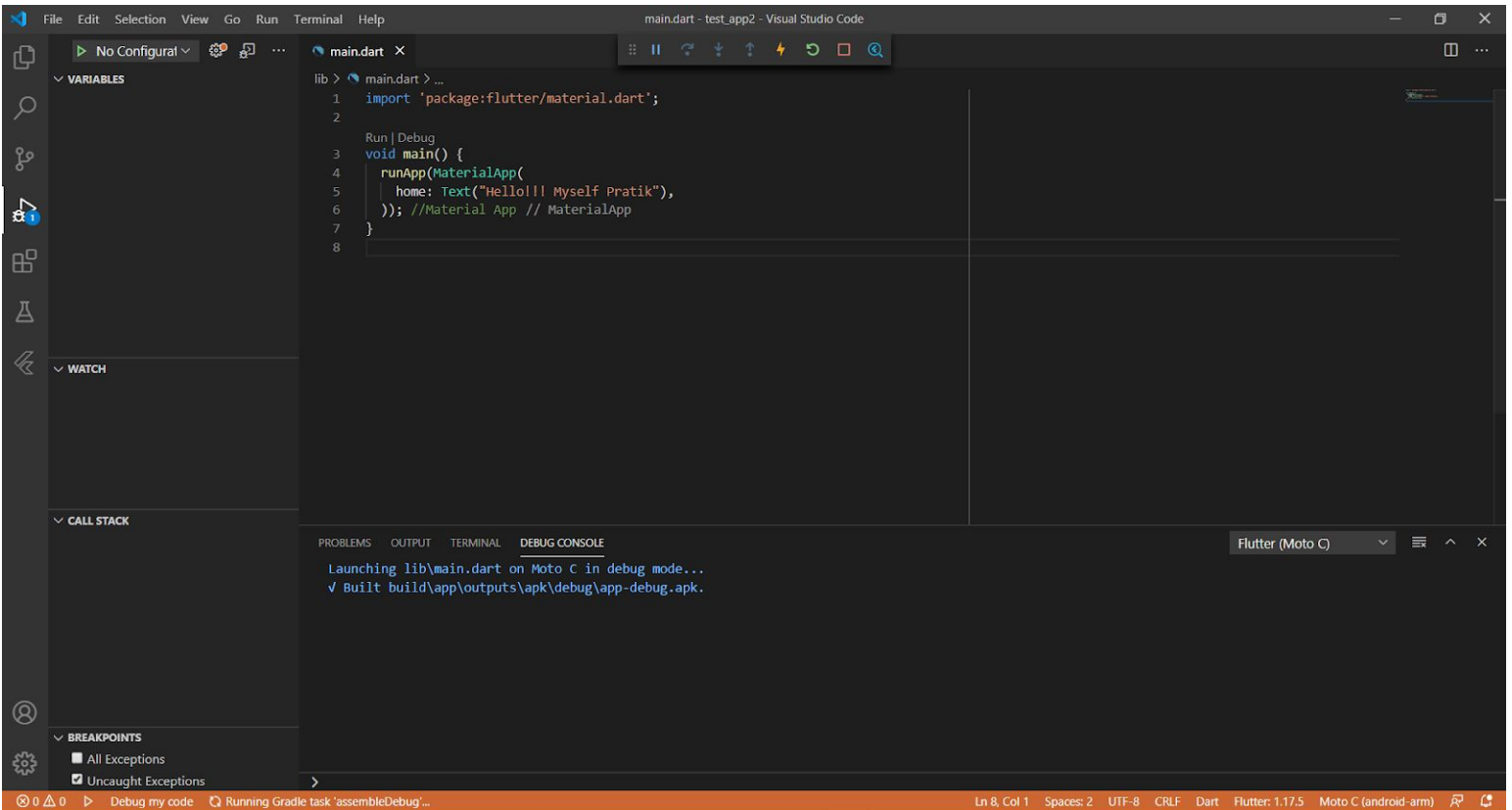
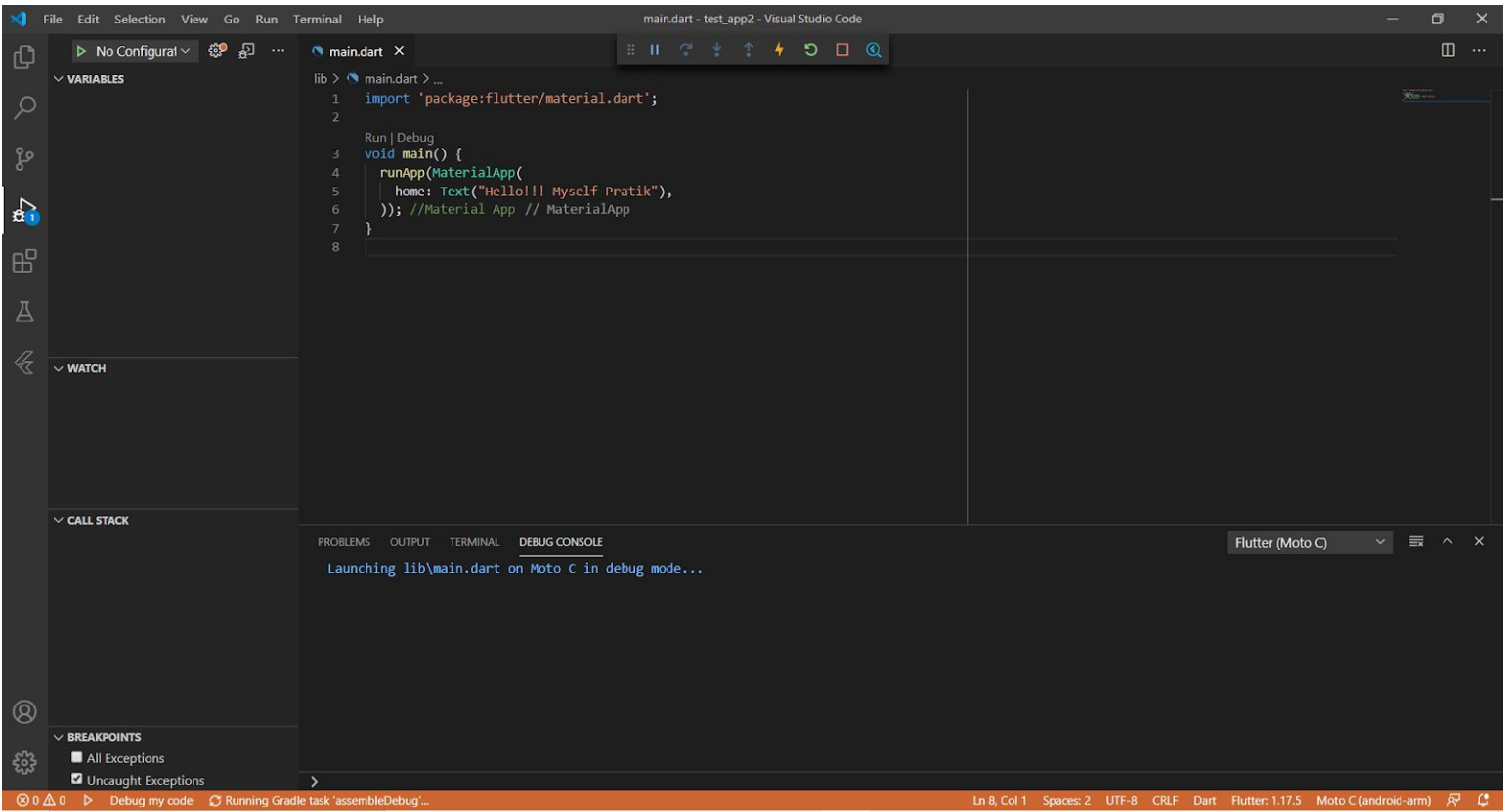


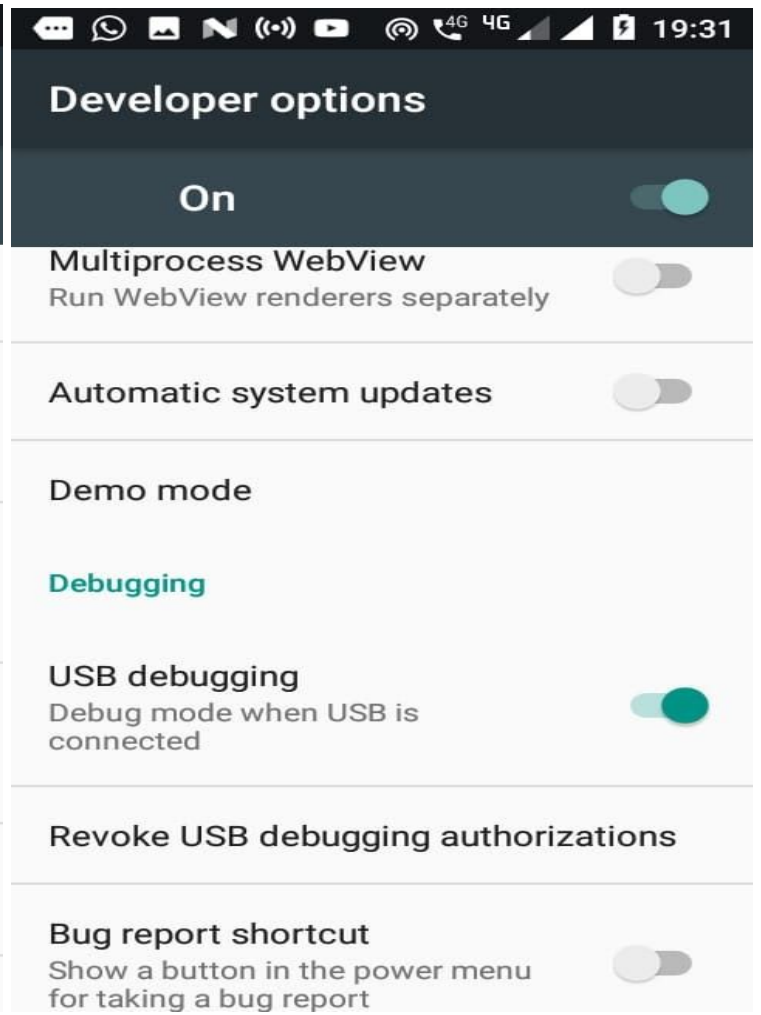
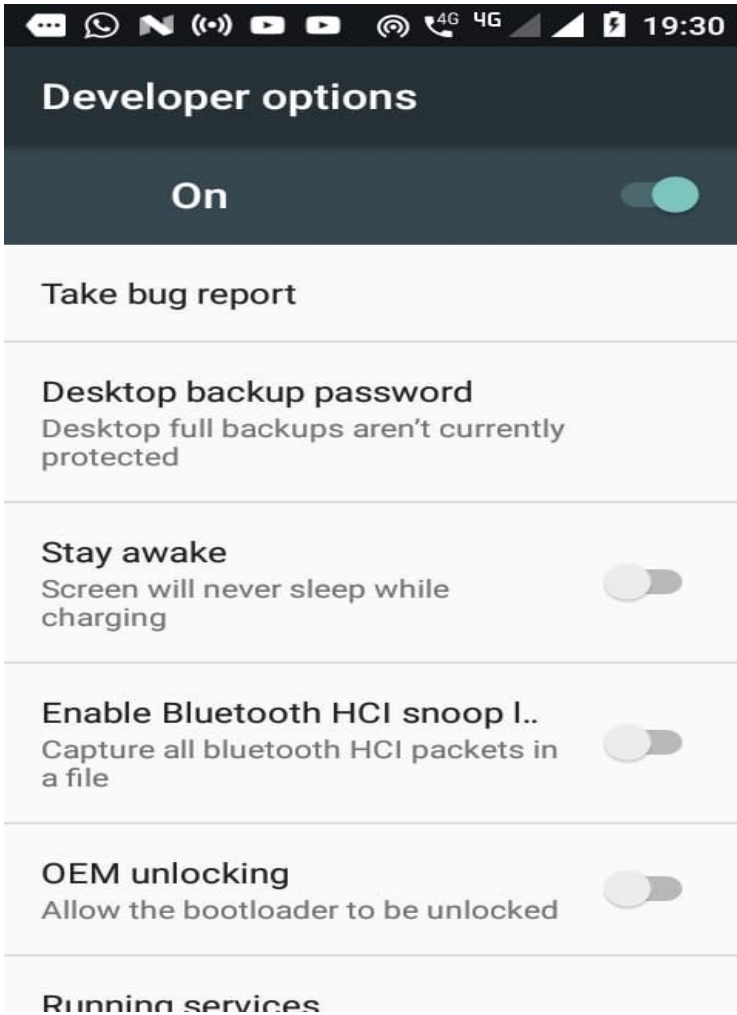
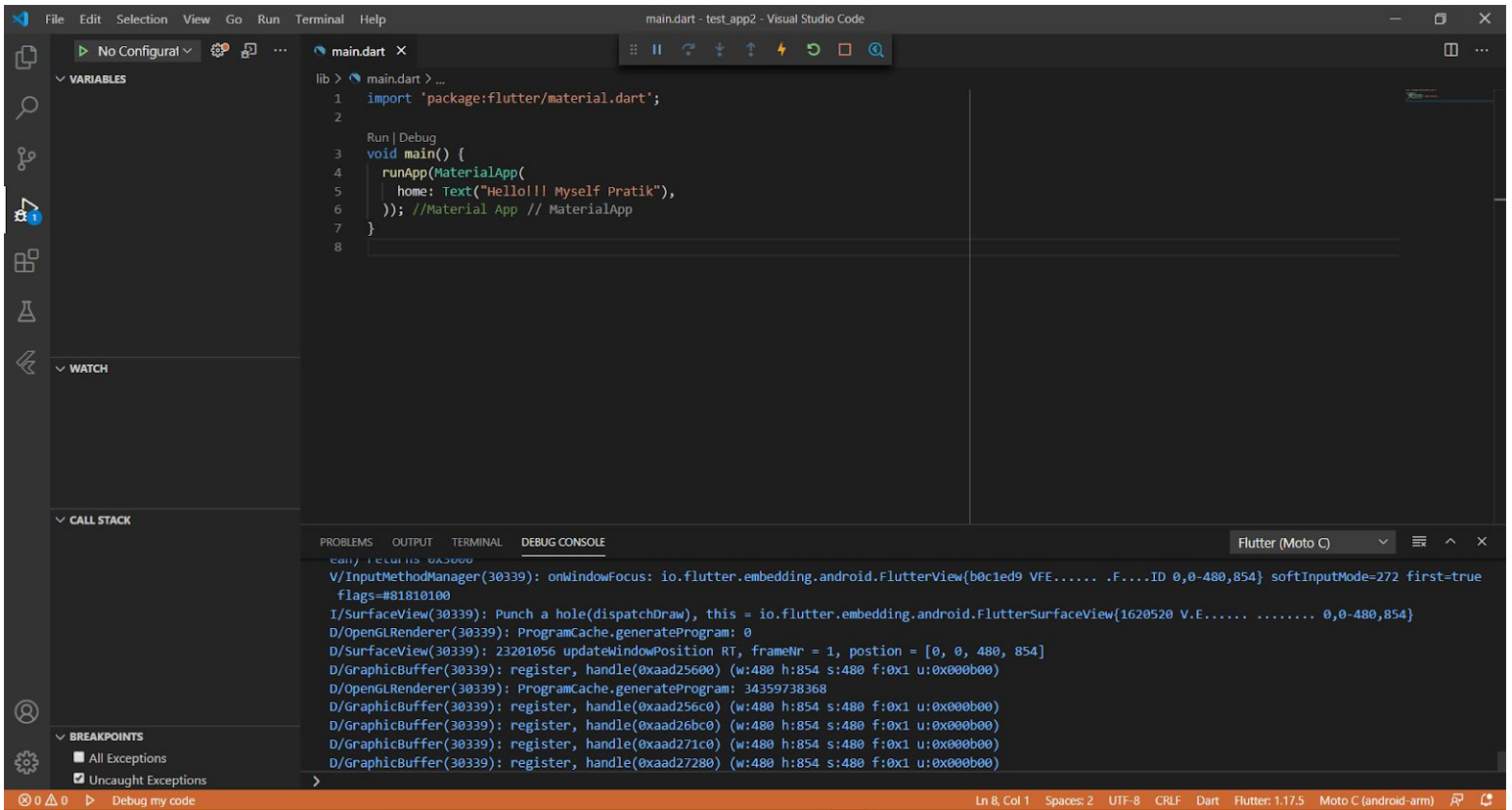


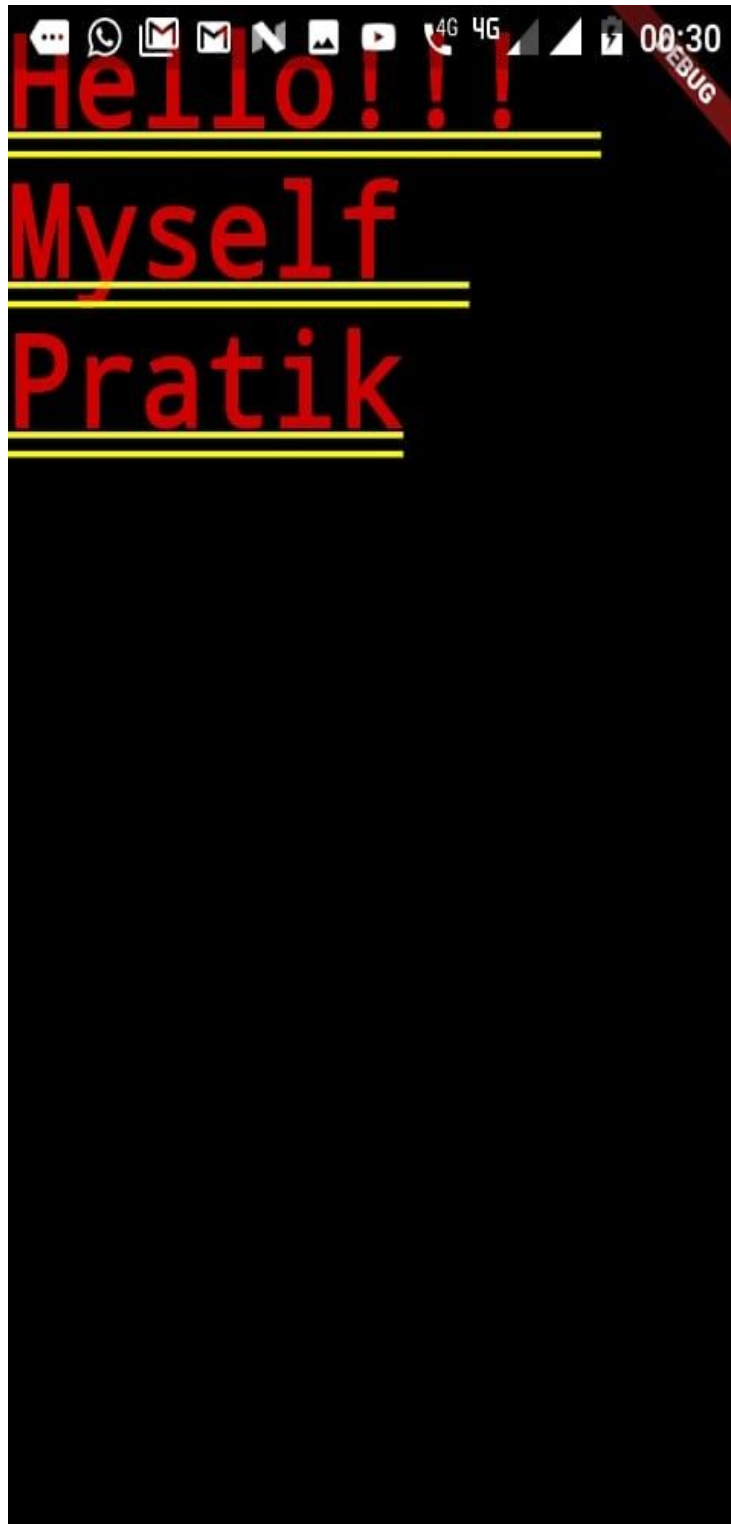
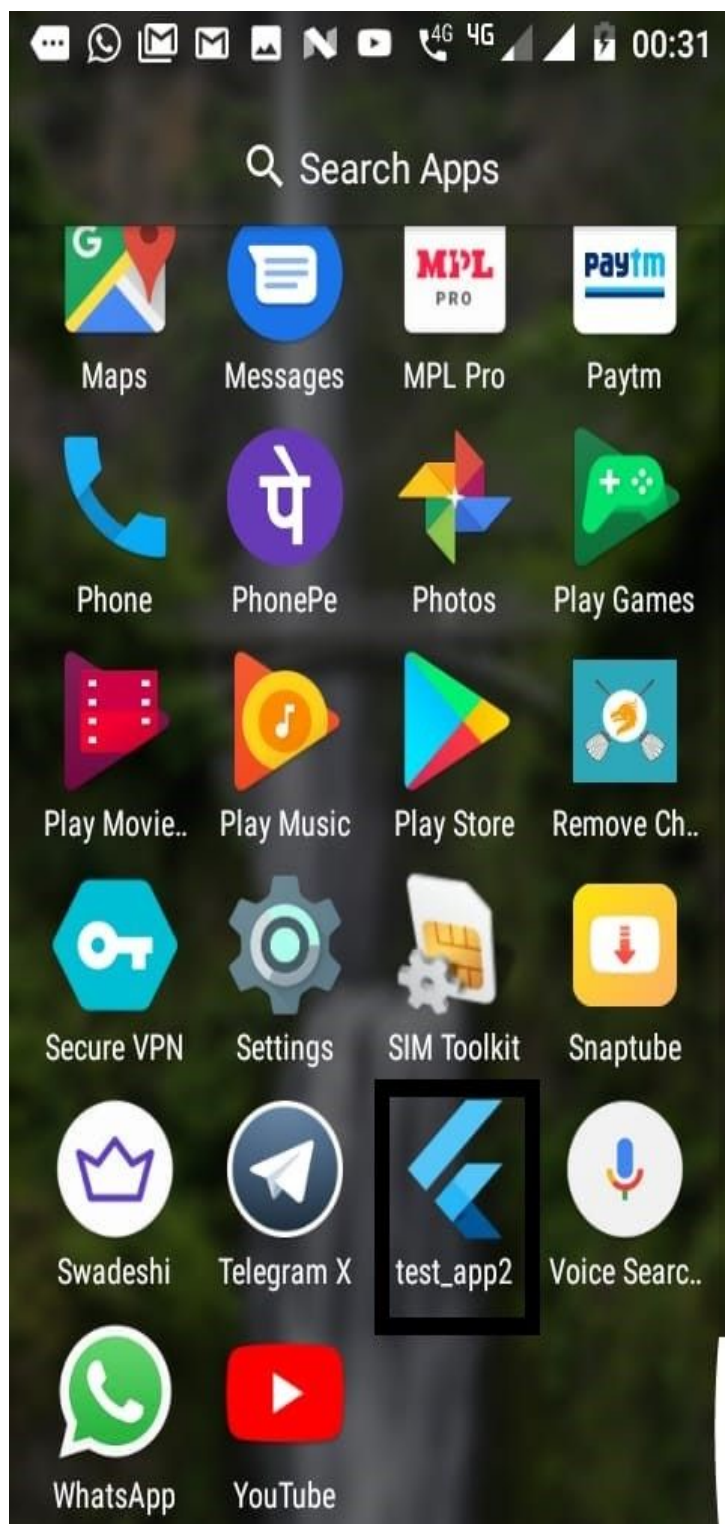
```
PS C:\src\flutter\flutter_class\dart_code> dart basic1.dart
Mentor : VIMAL DAGA
Thank you SIR
PS C:\src\flutter\flutter_class\dart_code>
```











THANKS FOR READING !!!!!!!!!!!!!!!