

Best VsCode Extensions

Android
Studio



Day 4 : Session 5

Summary:-

- 1. In today's session we got to know about Scaffold,AppBar,runApp,events,action,title ,leading,use case of refactor,setting icons,setting image,setting logo and some of the functions in Dart such as Test(),Print()and send().**
- 2.MaterialApps function:-MaterialApp is a widget that introduces a number of widgets (Navigator , Theme) that are required to build a Material design app.**
- 3. Scaffold function: Precreated template created by google that Implements the basic material design visual layout structure.**
- 4.runapp :-runApp() attaches the given widget to the screen.**
- 5.AppBar class:- An app bar consists of a tab bar,toolbar,title,action,leading,bottom and flexible space.**
- 6.Events: Provides a notification mechanism across independent packages/layers/modules.**
- 7.Different types of Icons:- Email icons, alert icon,bell icon and so on which are present in flutter document.**
- 8. IconButton, which is used with actions to show buttons on the app bar.**
- 9. When we separate a set of code into a self-contained entity, we call this a module.**
- 10. We create separate module because to make it reusable whenever needed.This separation also makes our code look nice and well in order.**
- 11.Action :- To display widget in a row after the title widget.**
- 12. title :- wWidget displayed in the app bar.**
- 13. leading:- To display Widget before the title.**
- 14.In Scaffold we learnt to:-Use of App bar,Setting the leading property,Setting the icon, icon button and change the color of the icons and Using the action Property.**
- 15 Text function use to print on mobile app and print is use for console/terminal.**
- 16. Text Align :- Align the text.**
- 17.TextDirection:-This class is used to represent directionality of text**

DartPad <> New Pad ⌂ Reset ⌵ Format ⬇ Install SDK wild-bonus-9575 Samples ⌵ ⋮

```
main(){  
  var database = {"Rollno":1, "Name": 'Pratik', "Phone": 7243131, "gender": 'male'};  
  database['Name'] = "Pratik Kohad";  
  database['gender'] = "Male" ;  
  database['Rollno'] = 21 ;  
  print(database['Name']);  
  print(database['gender']);  
  print(database['Rollno']);  
}
```

RUN

Console

```
Pratik Kohad  
Male  
21
```

Documentation

Privacy notice Send feedback no issues Based on Dart SDK 2.8.4

Command Prompt - flutter create firstflutter_app

```
Microsoft Windows [Version 10.0.18362.900]  
(c) 2019 Microsoft Corporation. All rights reserved.  
  
C:\Users\Asus>cd C:\src\flutter\flutter_class\projects  
  
C:\src\flutter\flutter_class\projects>dir  
Volume in drive C is OS  
Volume Serial Number is 3CCE-7C22  
  
Directory of C:\src\flutter\flutter_class\projects  
  
21/07/2020  10:19 PM    <DIR>          .  
21/07/2020  10:19 PM    <DIR>          ..  
17/07/2020  02:29 AM    <DIR>          test_app  
21/07/2020  12:20 AM    <DIR>          test_app2  
21/07/2020  10:28 PM    <DIR>          test_app3  
                0 File(s)                0 bytes  
                5 Dir(s) 10,249,285,632 bytes free
```


Command Prompt

```
C:\src\flutter\flutter_class\projects>flutter create firstflutter_app
Creating project firstflutter_app...
firstflutter_app\gitignore (created)
firstflutter_app\idea\libraries\Dart SDK.xml (created)
firstflutter_app\idea\libraries\Flutter for Android.xml (created)
firstflutter_app\idea\libraries\KotlinJavaRuntime.xml (created)
firstflutter_app\idea\modules.xml (created)
firstflutter_app\idea\runConfigurations\main_dart.xml (created)
firstflutter_app\idea\workspace.xml (created)
firstflutter_app\metadata (created)
firstflutter_app\android\app\build.gradle (created)
firstflutter_app\android\app\src\main\kotlin\com\example\firstflutter_app\MainActivity.kt (created)
firstflutter_app\android\build.gradle (created)
firstflutter_app\android\firstflutter_app_android.iml (created)
firstflutter_app\android\gitignore (created)
firstflutter_app\android\app\src\debug\AndroidManifest.xml (created)
firstflutter_app\android\app\src\main\AndroidManifest.xml (created)
firstflutter_app\android\app\src\main\res\drawable\launch_background.xml (created)
firstflutter_app\android\app\src\main\res\mipmap-hdpi\ic_launcher.png (created)
firstflutter_app\android\app\src\main\res\mipmap-mdpi\ic_launcher.png (created)
firstflutter_app\android\app\src\main\res\mipmap-xhdpi\ic_launcher.png (created)
firstflutter_app\android\app\src\main\res\mipmap-xxhdpi\ic_launcher.png (created)
firstflutter_app\android\app\src\main\res\mipmap-xxxhdpi\ic_launcher.png (created)
firstflutter_app\android\app\src\main\res\values\styles.xml (created)
firstflutter_app\android\app\src\profile\AndroidManifest.xml (created)
firstflutter_app\android\gradle\wrapper\gradle-wrapper.properties (created)
firstflutter_app\android\gradle.properties (created)
firstflutter_app\android\settings.gradle (created)
firstflutter_app\ios\Runner\AppDelegate.swift (created)
firstflutter_app\ios\Runner\Runner-Bridging-Header.h (created)
firstflutter_app\ios\Runner.xcodeproj\project.pbxproj (created)
firstflutter_app\ios\Runner.xcodeproj\xcshareddata\xcschemes\Runner.xcscheme (created)
firstflutter_app\ios\gitignore (created)
firstflutter_app\ios\Flutter\AppFrameworkInfo.plist (created)
firstflutter_app\ios\Flutter\Debug.xcconfig (created)
firstflutter_app\ios\Flutter\Release.xcconfig (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Contents.json (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-1024x1024@1x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-20x20@1x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-20x20@2x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-20x20@3x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-29x29@1x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-29x29@2x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-29x29@3x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-40x40@1x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-40x40@2x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-40x40@3x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-60x60@2x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-60x60@3x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-76x76@1x.png (created)
```

Command Prompt

```
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-29x29@2x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-29x29@3x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-40x40@1x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-40x40@2x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-40x40@3x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-60x60@2x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-60x60@3x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-76x76@1x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-76x76@2x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\AppIcon.appiconset\Icon-App-83.5x83.5@2x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\LaunchImage.imageset\Contents.json (created)
firstflutter_app\ios\Runner\Assets.xcassets\LaunchImage.imageset\LaunchImage.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\LaunchImage.imageset\LaunchImage@2x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\LaunchImage.imageset\LaunchImage@3x.png (created)
firstflutter_app\ios\Runner\Assets.xcassets\LaunchImage.imageset\README.md (created)
firstflutter_app\ios\Runner\Base.lproj\LaunchScreen.storyboard (created)
firstflutter_app\ios\Runner\Base.lproj\Main.storyboard (created)
firstflutter_app\ios\Runner\Info.plist (created)
firstflutter_app\ios\Runner.xcodeproj\project.xcworkspace\contents.xcworkspacedata (created)
firstflutter_app\ios\Runner.xcodeproj\project.xcworkspace\xcshareddata\IDEWorkspaceChecks.plist (created)
firstflutter_app\ios\Runner.xcodeproj\project.xcworkspace\xcshareddata\WorkspaceSettings.xcsettings (created)
firstflutter_app\ios\Runner.xcworkspace\contents.xcworkspacedata (created)
firstflutter_app\ios\Runner.xcworkspace\xcshareddata\IDEWorkspaceChecks.plist (created)
firstflutter_app\ios\Runner.xcworkspace\xcshareddata\WorkspaceSettings.xcsettings (created)
firstflutter_app\lib\main.dart (created)
firstflutter_app\firstflutter_app.iml (created)
firstflutter_app\pubspec.yaml (created)
firstflutter_app\README.md (created)
firstflutter_app\test\widget_test.dart (created)
Running "flutter pub get" in firstflutter_app... 4.6s
Wrote 72 files.
```

All done!


```
[✓] Flutter: is fully installed. (Channel stable, v1.17.5, on Microsoft Windows [Version 10.0.18362.900], locale en-US)
[✓] Android toolchain - develop for Android devices: is fully installed. (Android SDK version 29.0.3)
[✓] Android Studio: is fully installed. (version 4.0)
```

Run "flutter doctor" for information about installing additional components.

In order to run your application, type:

```
$ cd firstflutter_app  
$ flutter run
```

Your application code is in firstflutter_app\lib\main.dart.

 Flutter

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Get started

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Get started
Samples & tutorials
Development
User interface
Introduction to widgets
Building layouts
Adding interactivity
Assets and images
Navigation & routing
Animations
Advanced UI
Widget catalog
Data & backend
Accessibility & internationalization
Platform integration
Packages & plugins
Add Flutter to existing app
Tools & techniques

Text widgets

[Docs](#) > [Development](#) > [UI](#) > [Widgets](#) > Text


Display and style text.

See more widgets in the [widget catalog](#).




DefaultTextStyle

The text style to apply to descendant Text widgets without explicit style.



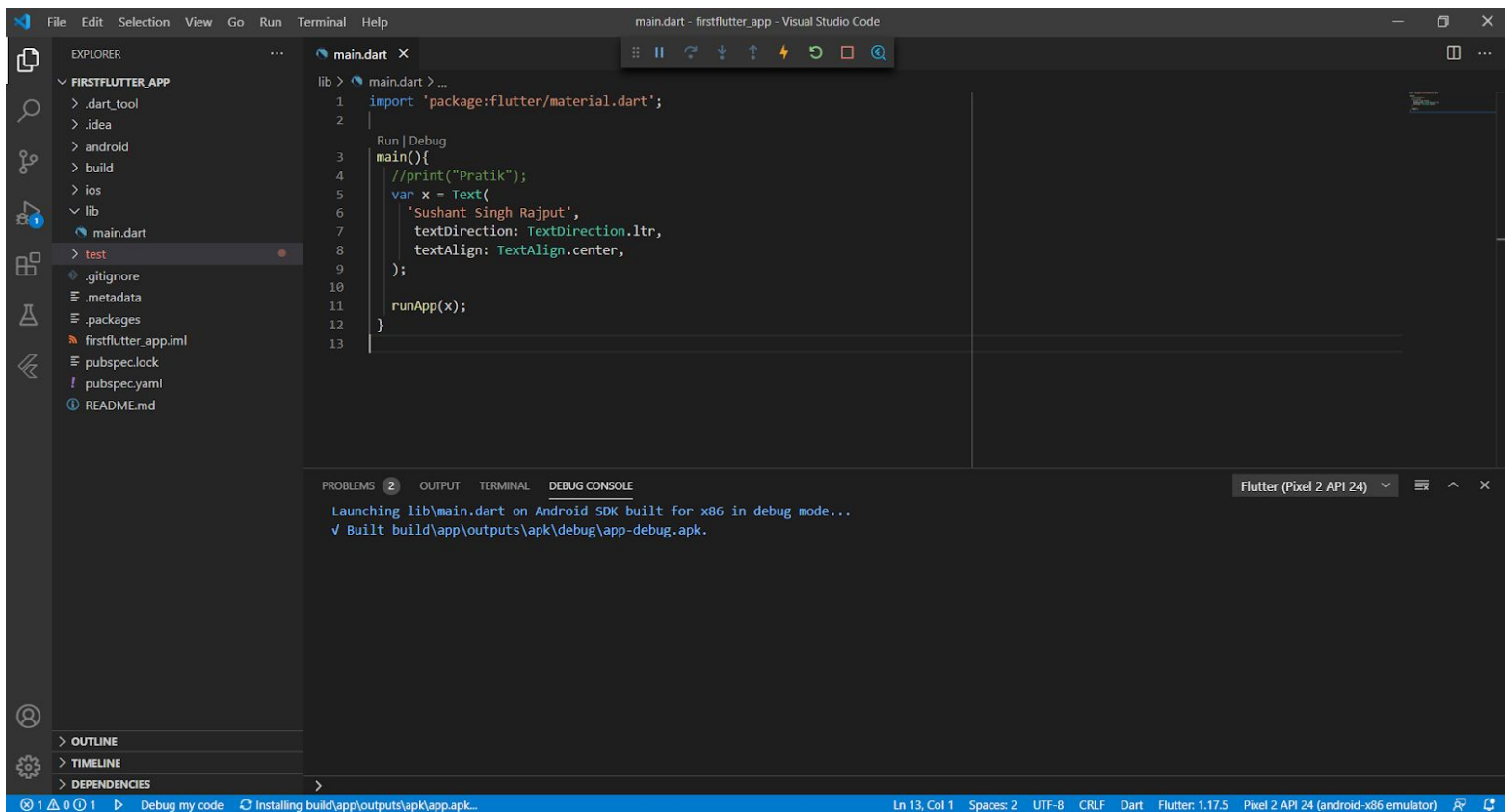
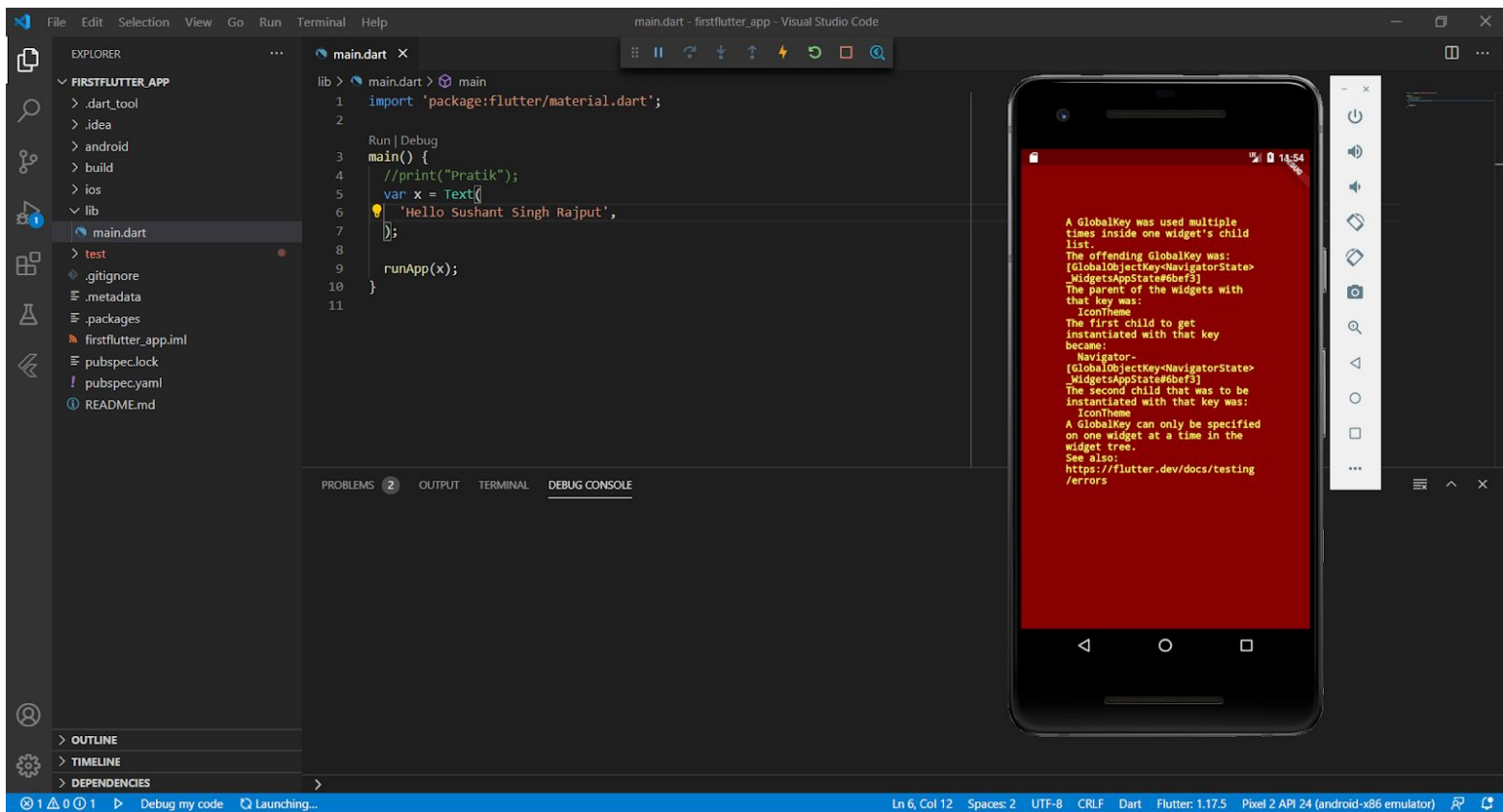
RichText

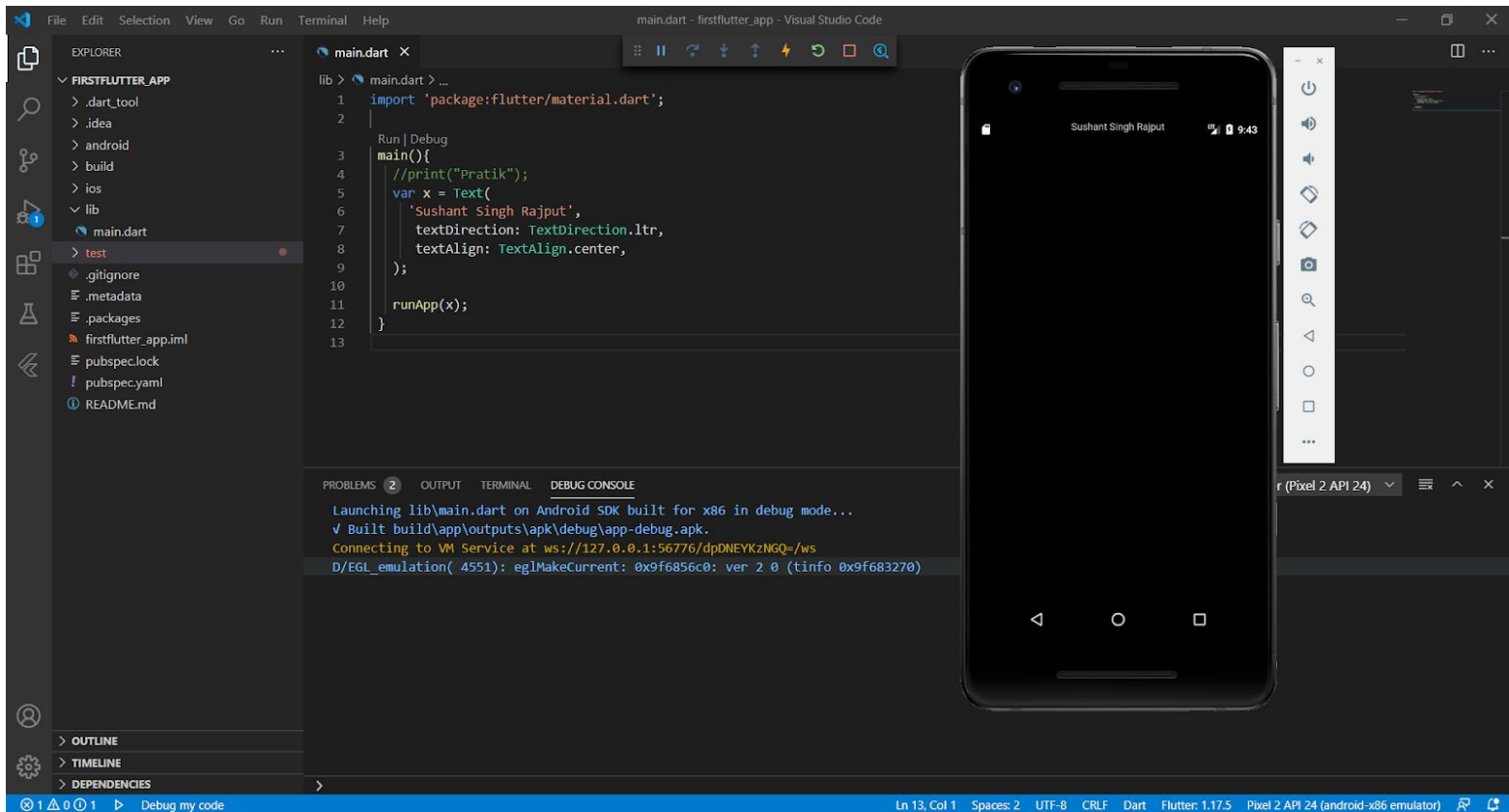
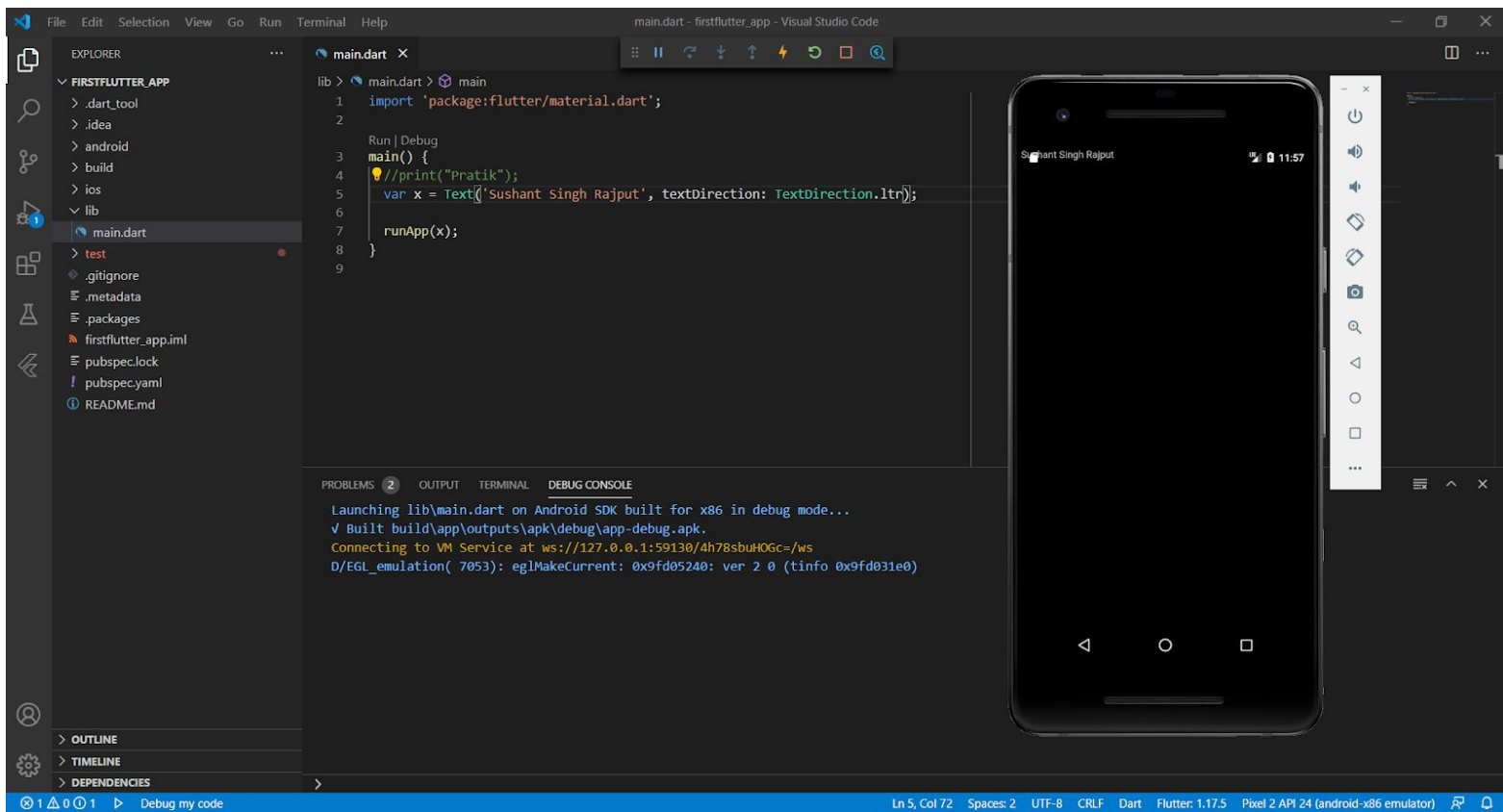
The RichText widget displays text that uses multiple different styles. The text to display is described using a tree of TextSpan objects,

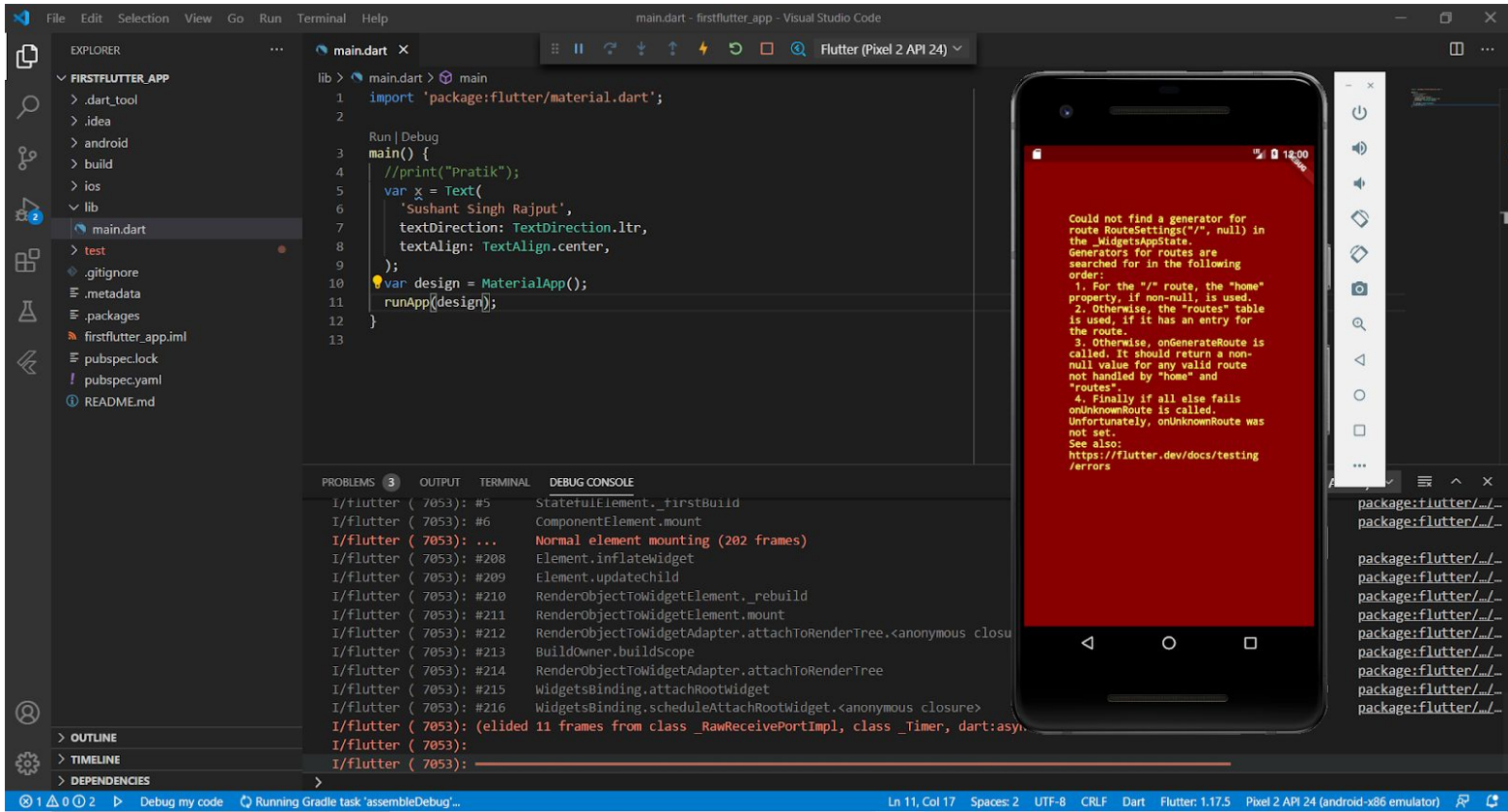


Text

A run of text with a single style.







Flutter > material > MaterialApp class

Search API Docs

CLASSES

AboutDialog

AboutListTile

AbsorbPointer

Accumulator

Action

ActionChip

ActionDispatcher

Actions

ActivateAction

AlertDialog

Align

Alignment

AlignmentDirectional

AlignmentGeometry

AlignmentGeometryTween

AlignmentTween

AlignTransition

AlwaysScrollableScrollPh...

AlwaysStoppedAnimation

AndroidView

Animatable

MaterialApp class

An application that uses material design.

A convenience widget that wraps a number of widgets that are commonly required for material design applications. It builds upon a WidgetsApp by adding material-design specific functionality, such as AnimatedTheme and GridPaper.

The MaterialApp configures the top-level Navigator to search for routes in the following order:

1. For the / route, the home property, if non-null, is used.

2. Otherwise, the routes table is used, if it has an entry for the route.

3. Otherwise, onGenerateRoute is called, if provided. It should return a non-null value for any valid route not handled by home and routes.

4. Finally if all else fails onUnknownRoute is called.

If a Navigator is created, at least one of these options must handle the / route, since it is used when an invalid initialRoute is specified on startup (e.g. by another application launching this one with an intent on Android; see Window.defaultRouteName).

This widget also configures the observer of the top-level Navigator (if any) to perform Hero animations.

If home, routes, onGenerateRoute, and onUnknownRoute are all null, and builder is not null, then no Navigator is created.

Sample

This example shows how to create a MaterialApp that disables the "debug" banner with a home route that will be displayed when the app is launched.

CONSTRUCTORS

MaterialApp

PROPERTIES

actions

builder

checkboxboardOffscr...

checkboxboardRaster...

color

darkTheme

debugShowChecked...

debugShowMaterial...

home

initialRoute

locale

localeListResolution...

localeResolutionCall...

localizationsDelegat...

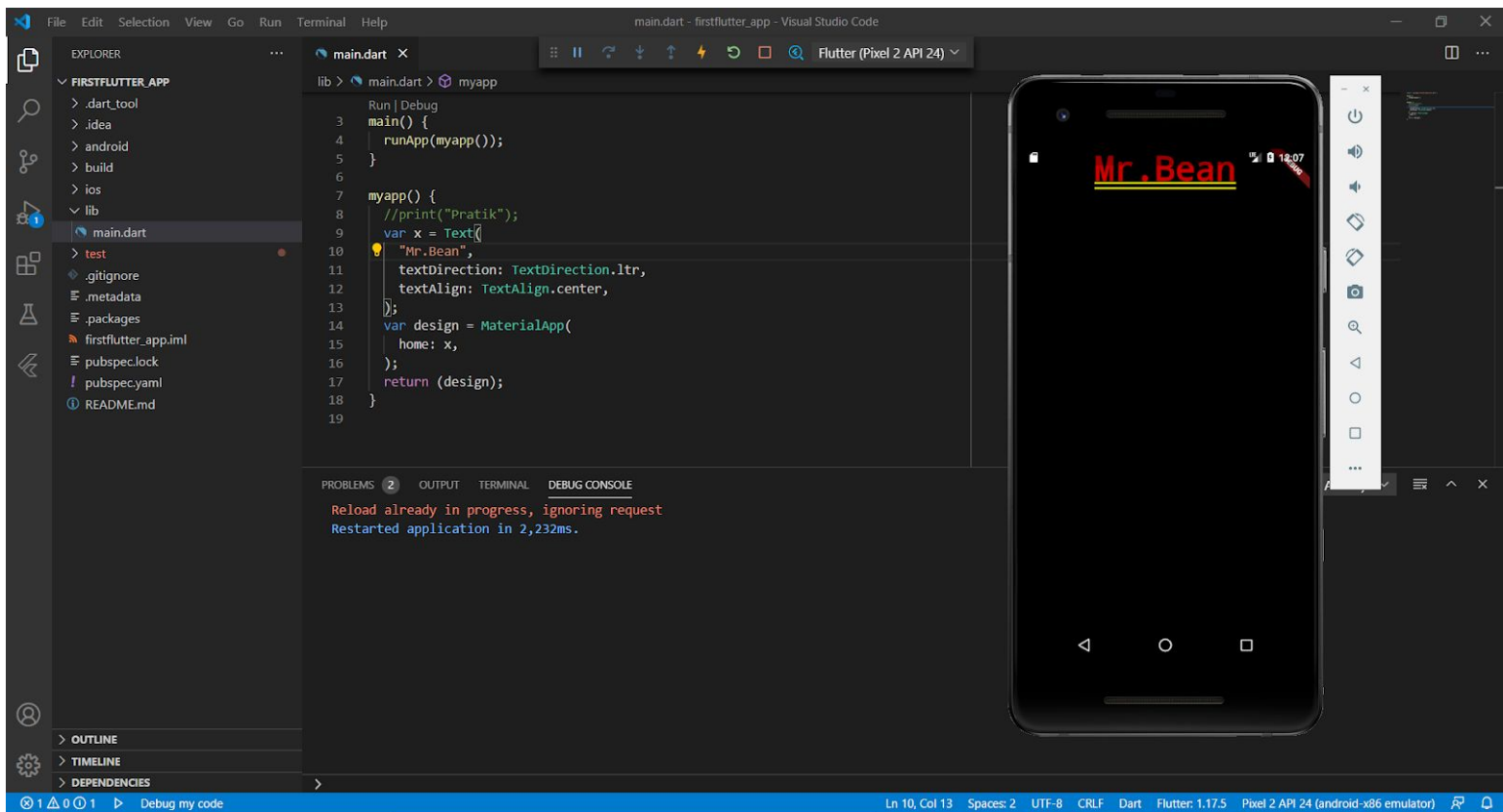
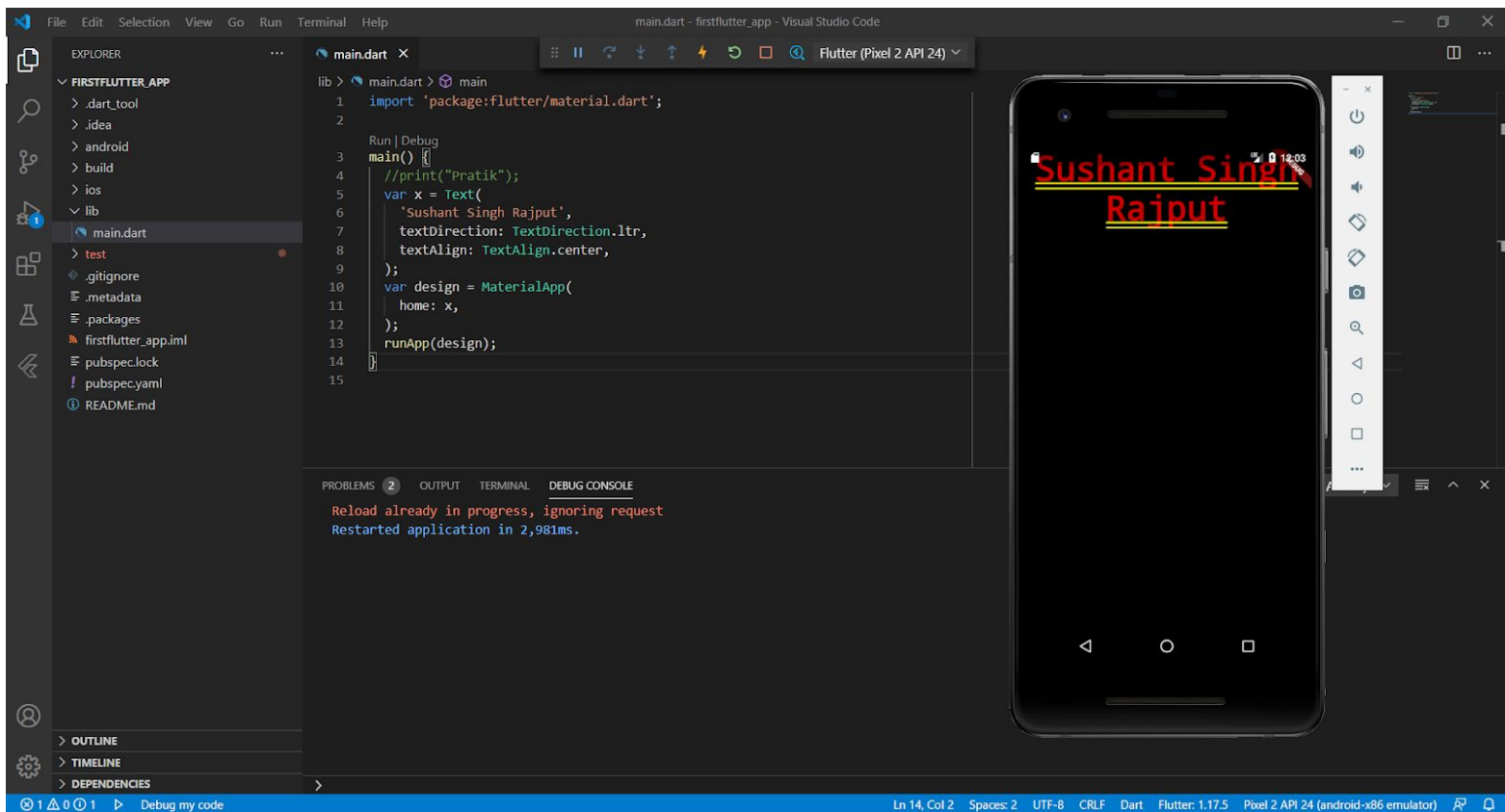
navigatorKey

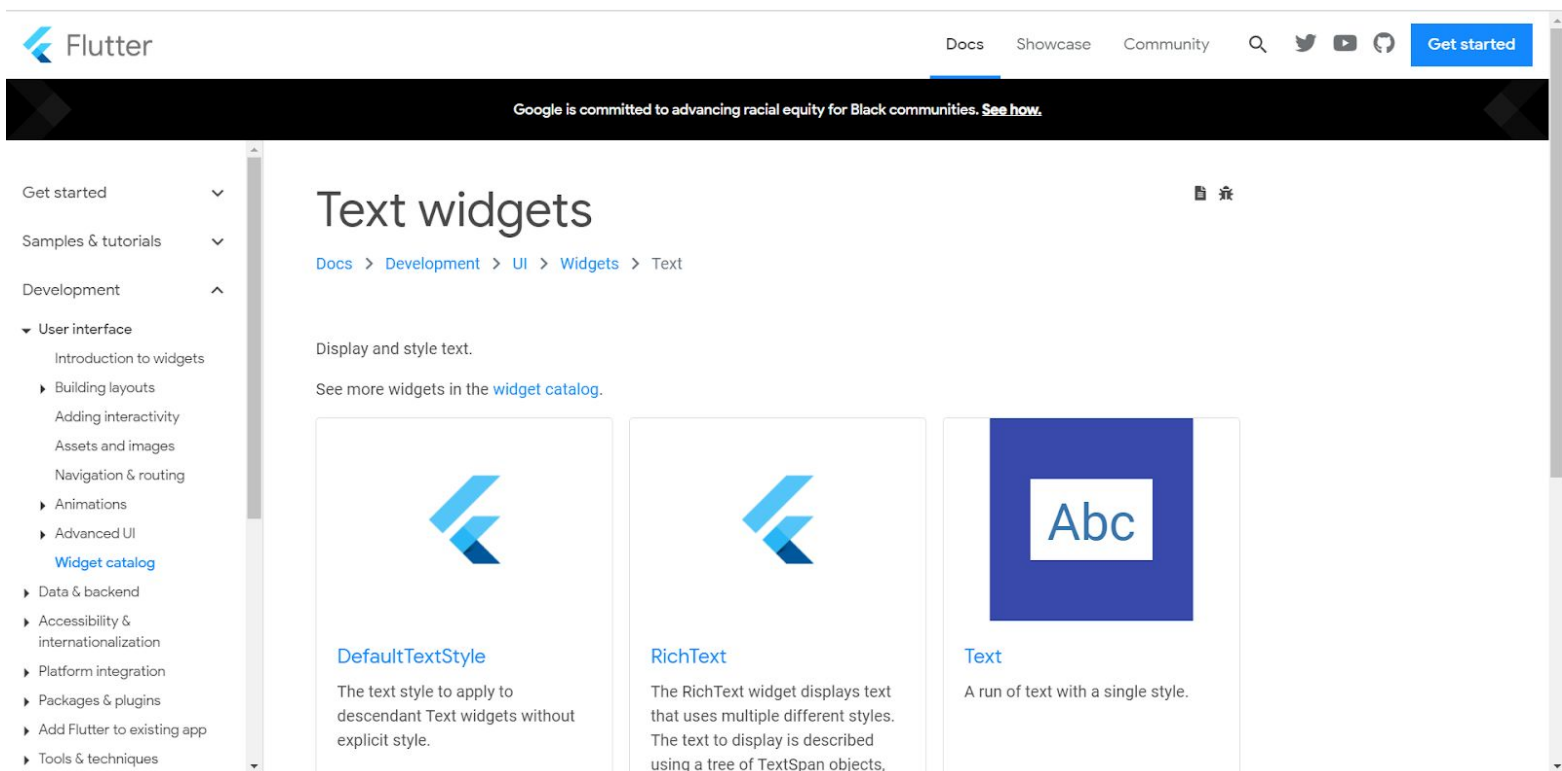
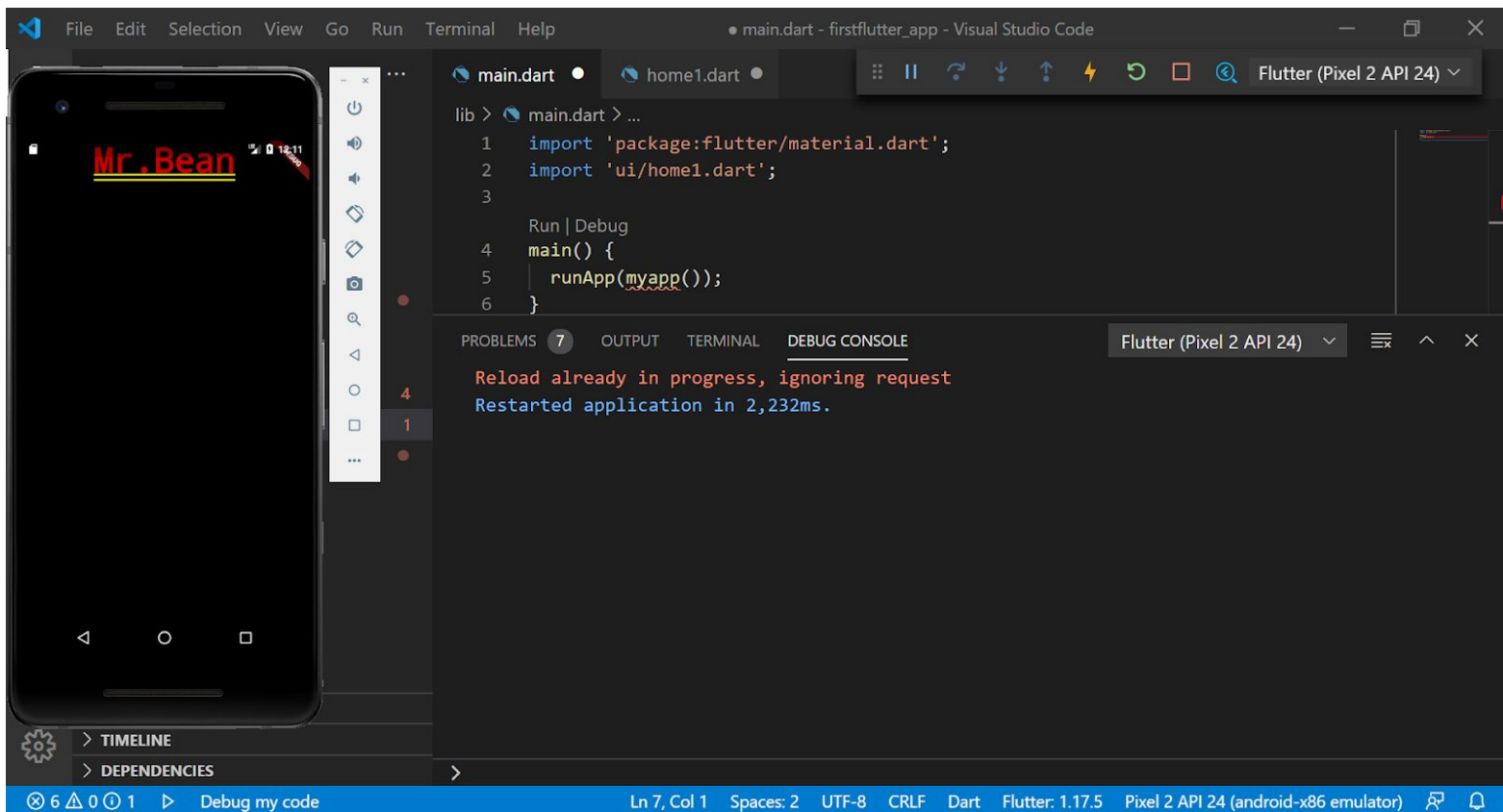
navigatorObservers

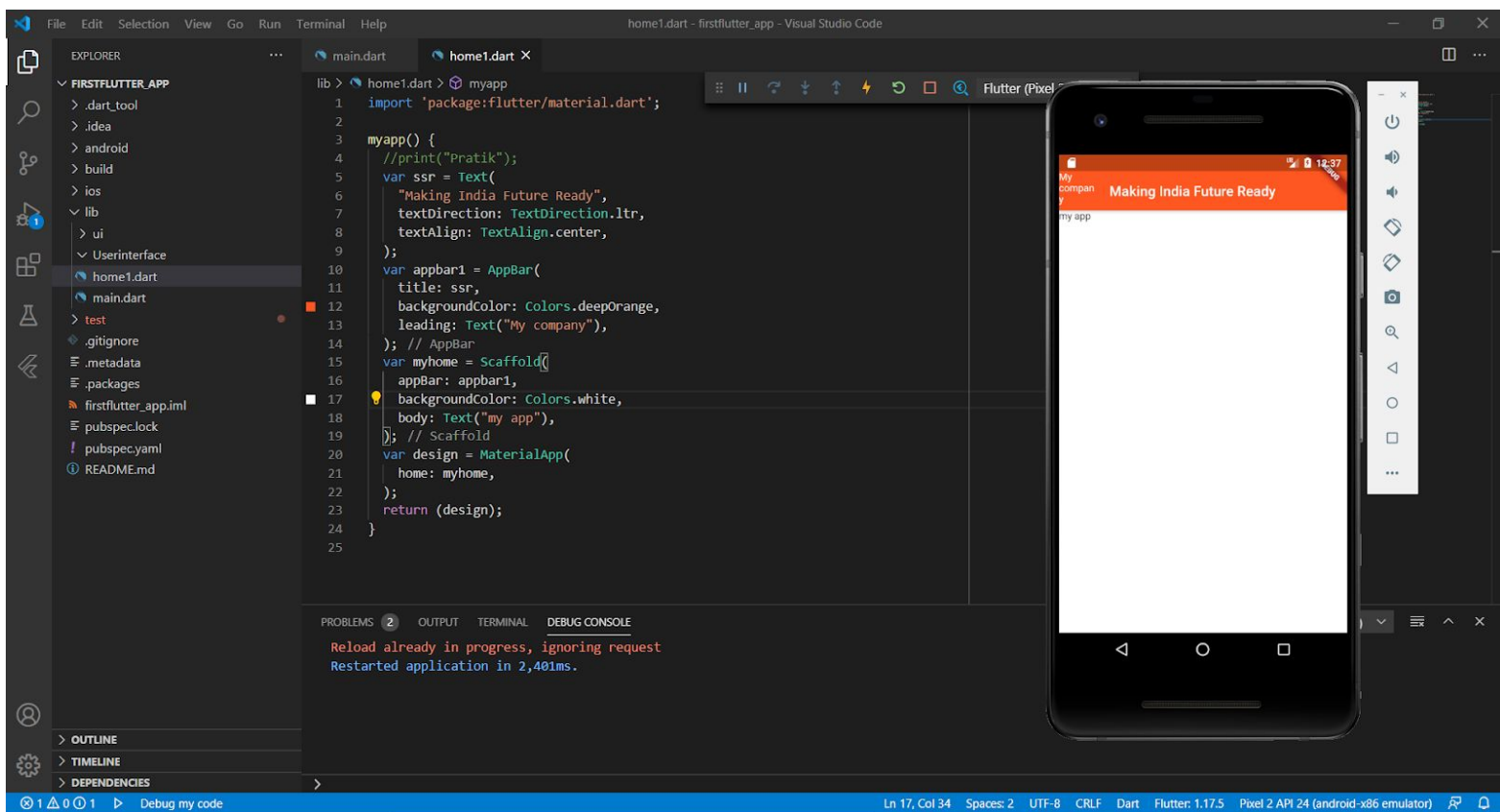
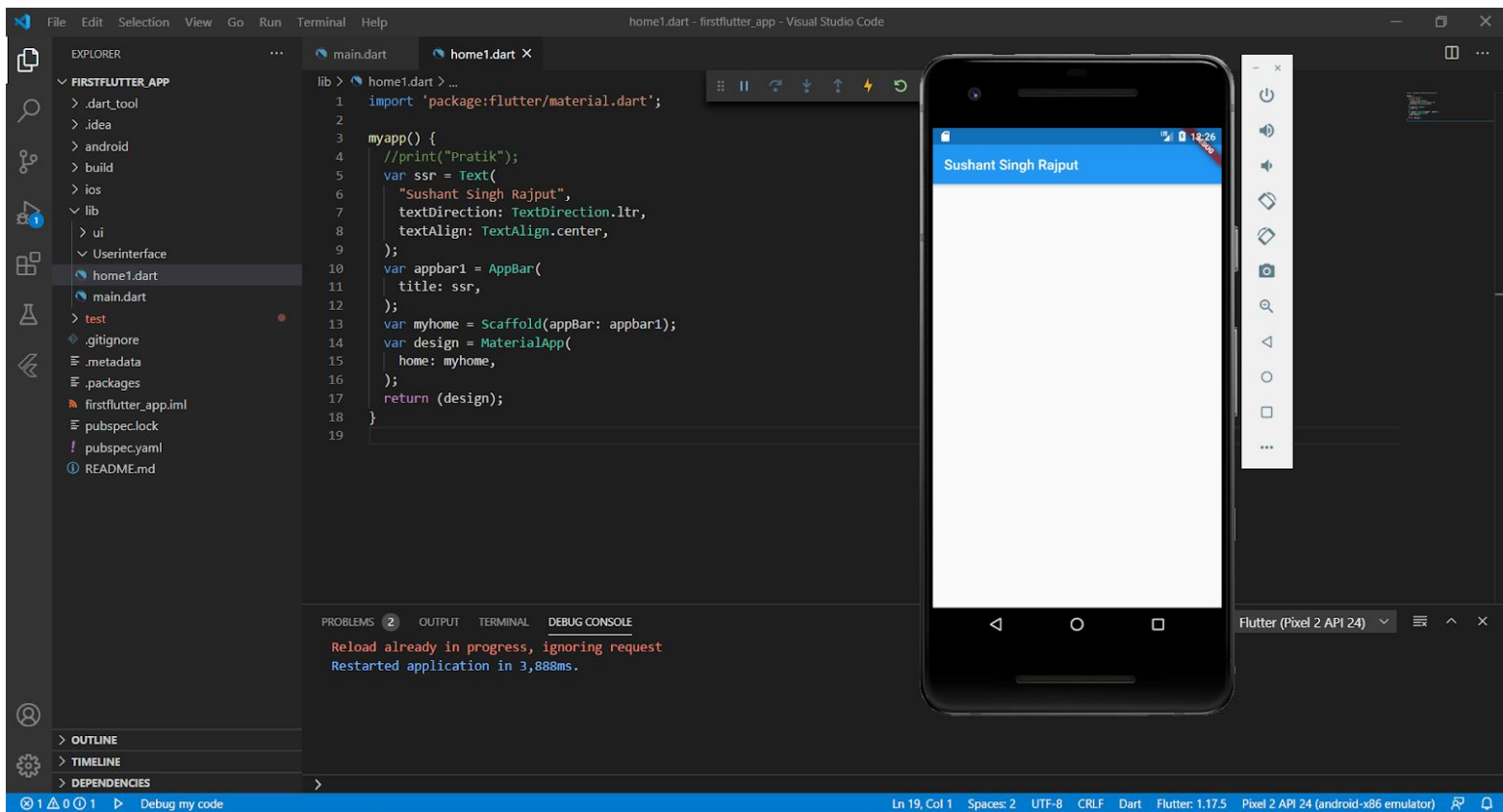
onGenerateInitialRo...

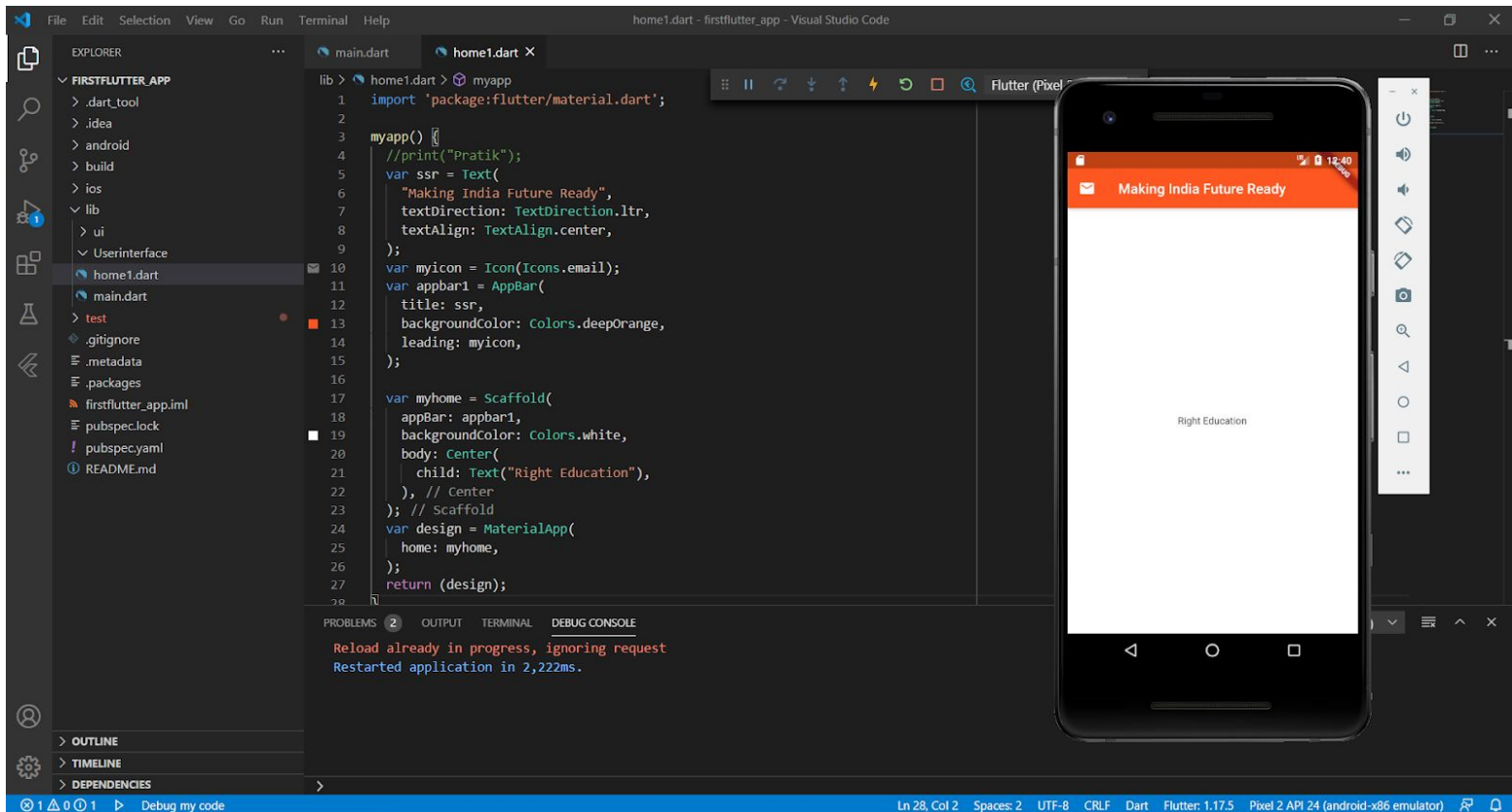
onGenerateRoute

Flutter 1.17.4 • 2020-06-18 15:47 • 1ad9baa8b9 • stable









Flutter > material > IconButton class

Search API Docs

CLASSES

AboutDialog
AboutListTile
AbsorbPointer
Accumulator
Action
ActionChip
ActionDispatcher
Actions
ActivateAction
AlertDialog
Align
Alignment
AlignmentDirectional
AlignmentGeometry
AlignmentGeometryTween
AlignmentTween
AlignTransition
AlwaysScrollableScrollPh...
AlwaysStoppedAnimation
AndroidView
Animatable

IconButton class

A material design icon button.

An icon button is a picture printed on a [Material](#) widget that reacts to touches by filling with color (ink).

Icon buttons are commonly used in the [AppBar.actions](#) field, but they can be used in many other places as well.

If the [onPressed](#) callback is null, then the button will be disabled and will not react to touch.

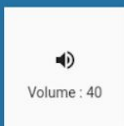
Requires one of its ancestors to be a [Material](#) widget.

The hit region of an icon button will, if possible, be at least [kMinInteractiveDimension](#) pixels in size, regardless of the actual [iconSize](#), to satisfy the touch target size requirements in the [Material Design](#) specification. The [alignment](#) controls how the icon itself is positioned within the hit region.

Interactive App

Sample code

This sample shows an [IconButton](#) that uses the [Material](#) icon "volume_up" to increase the volume.



Volume : 40

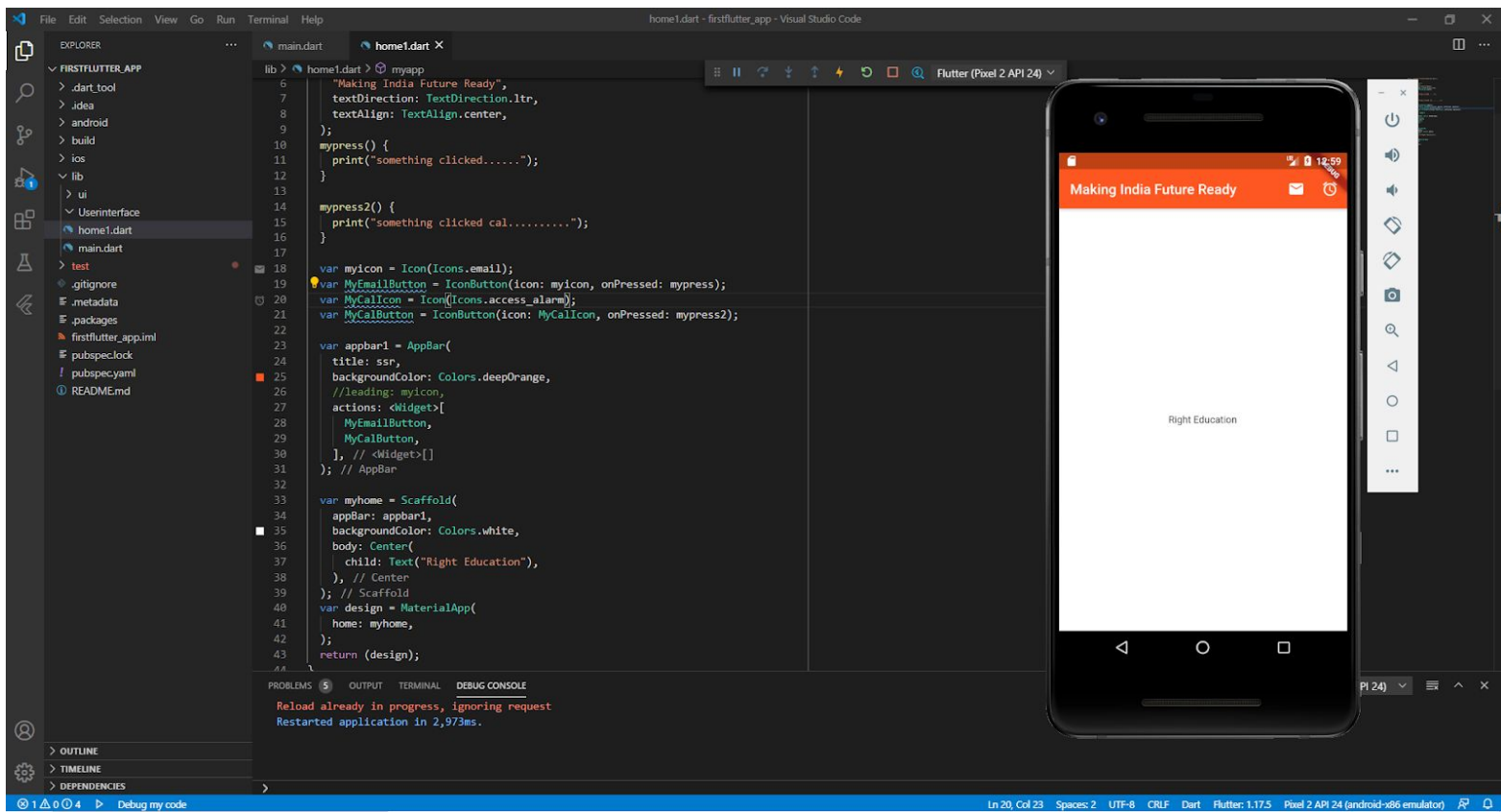
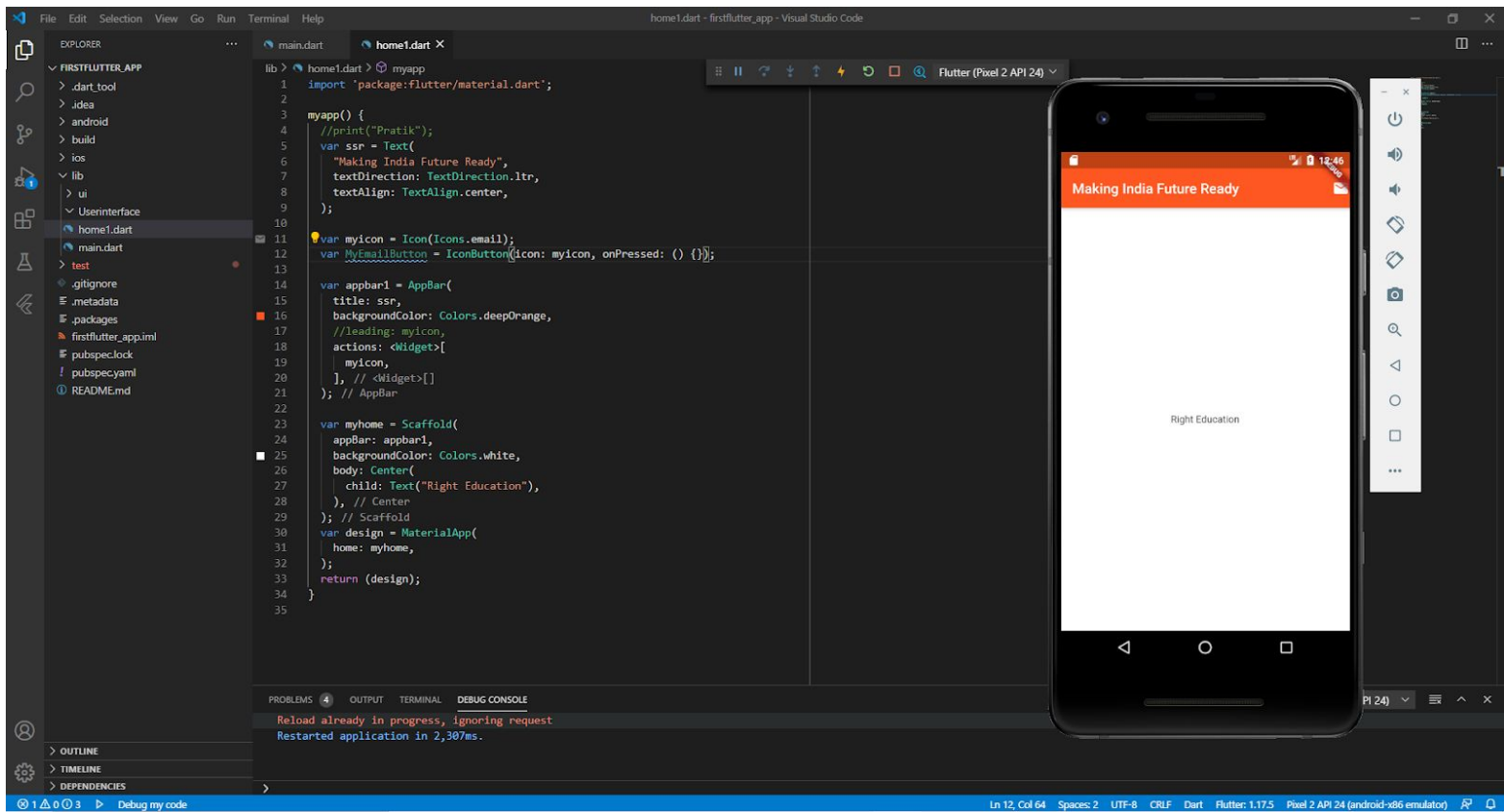


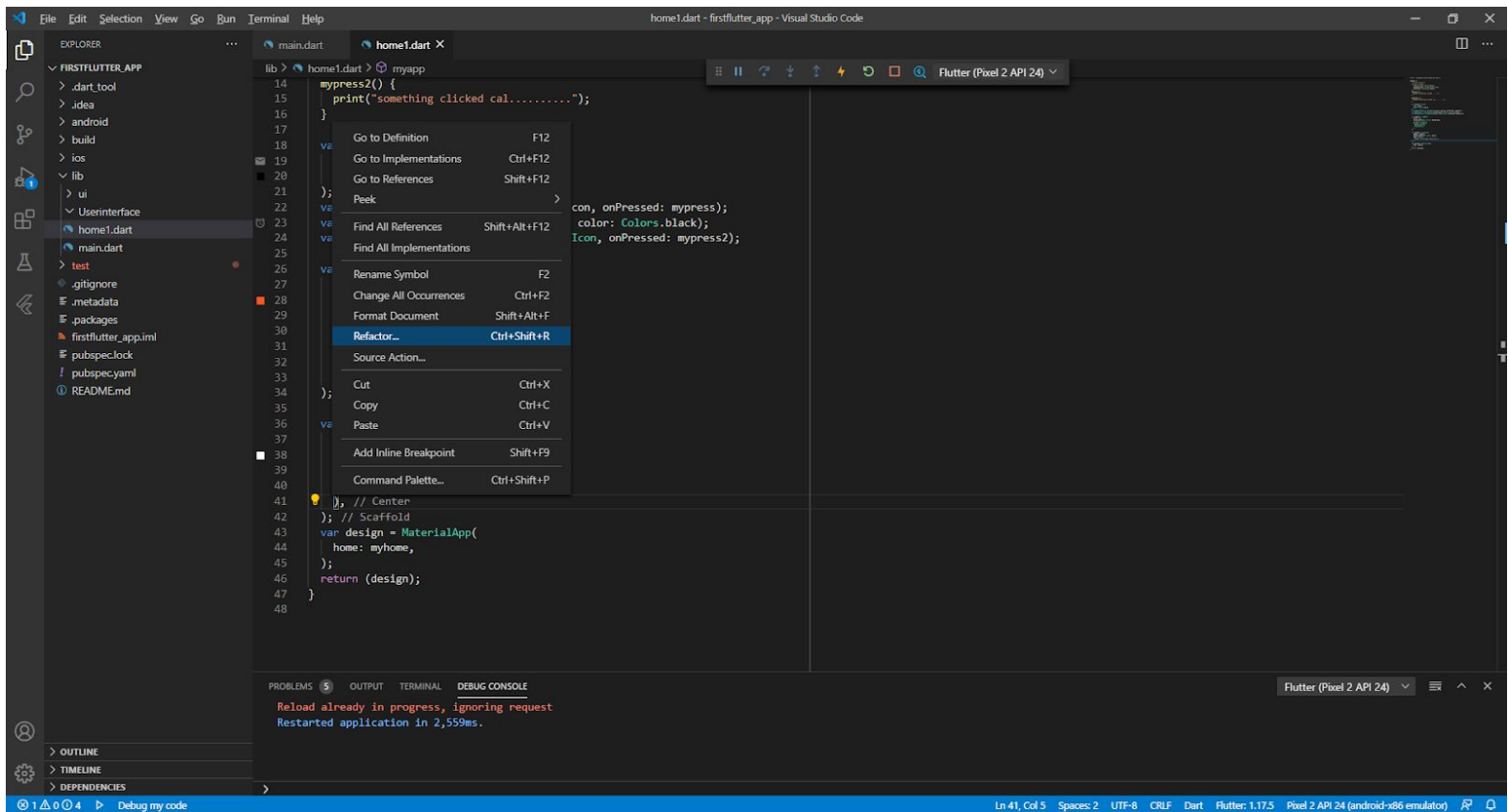
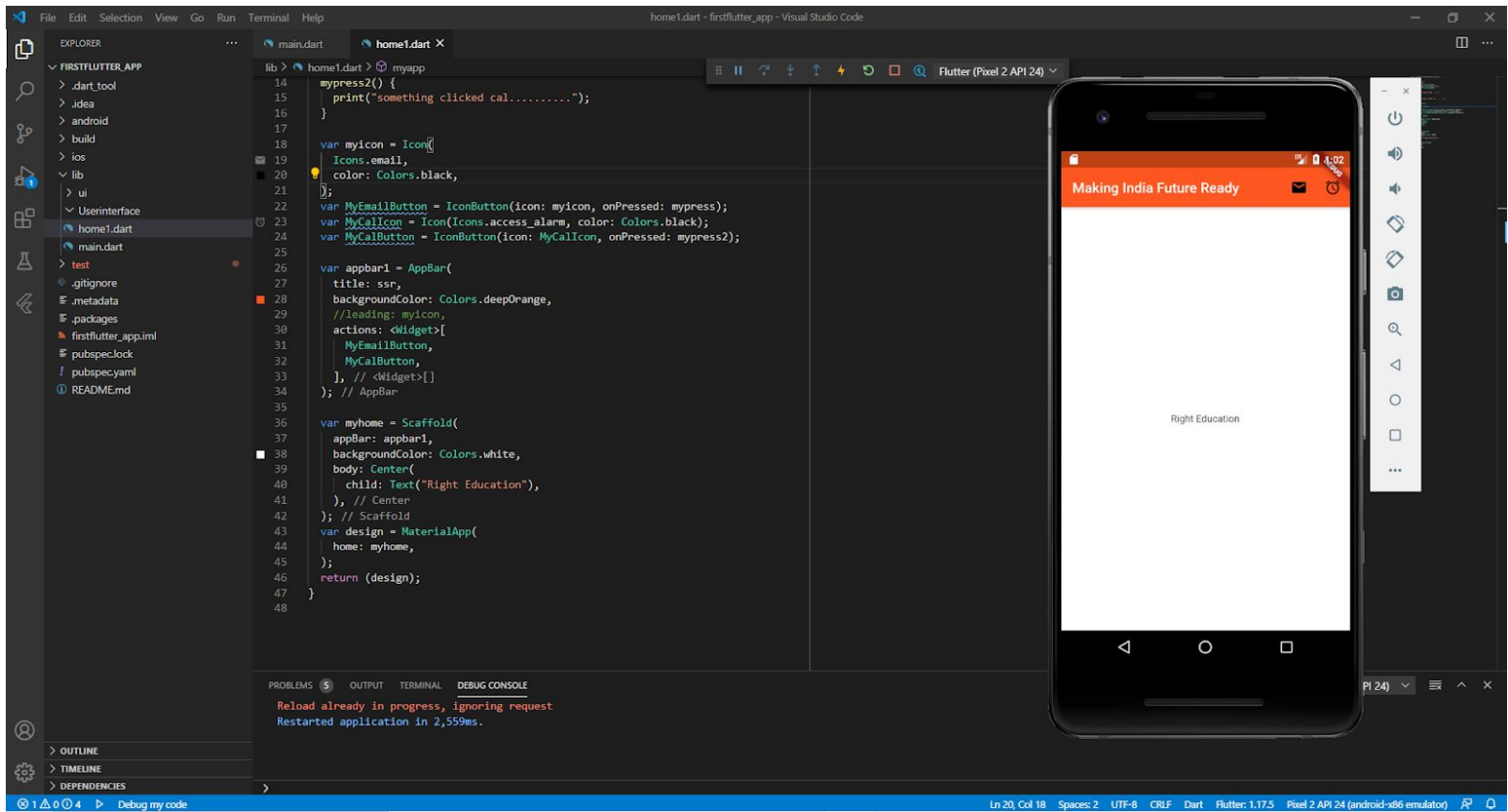
CONSTRUCTORS

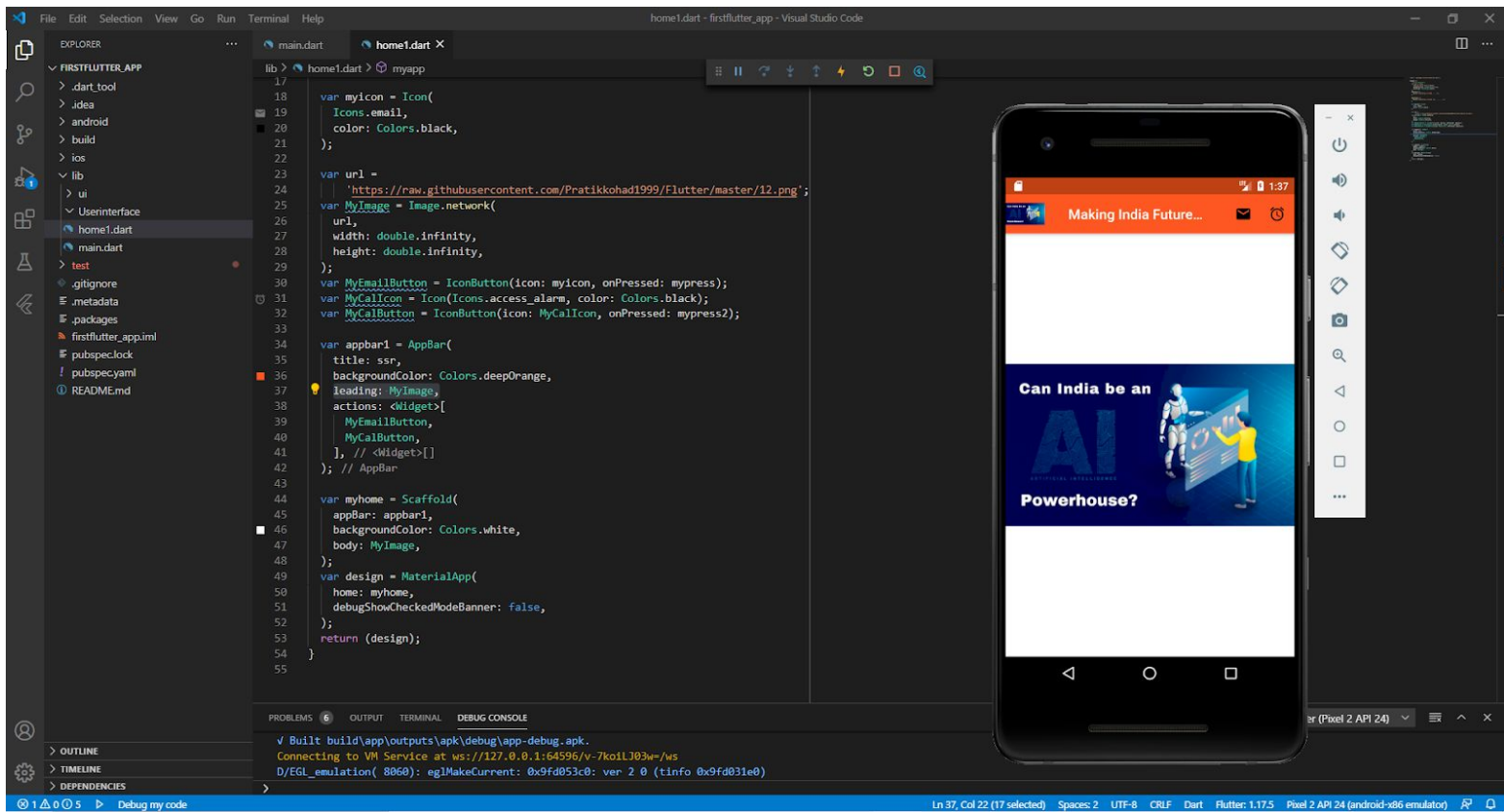
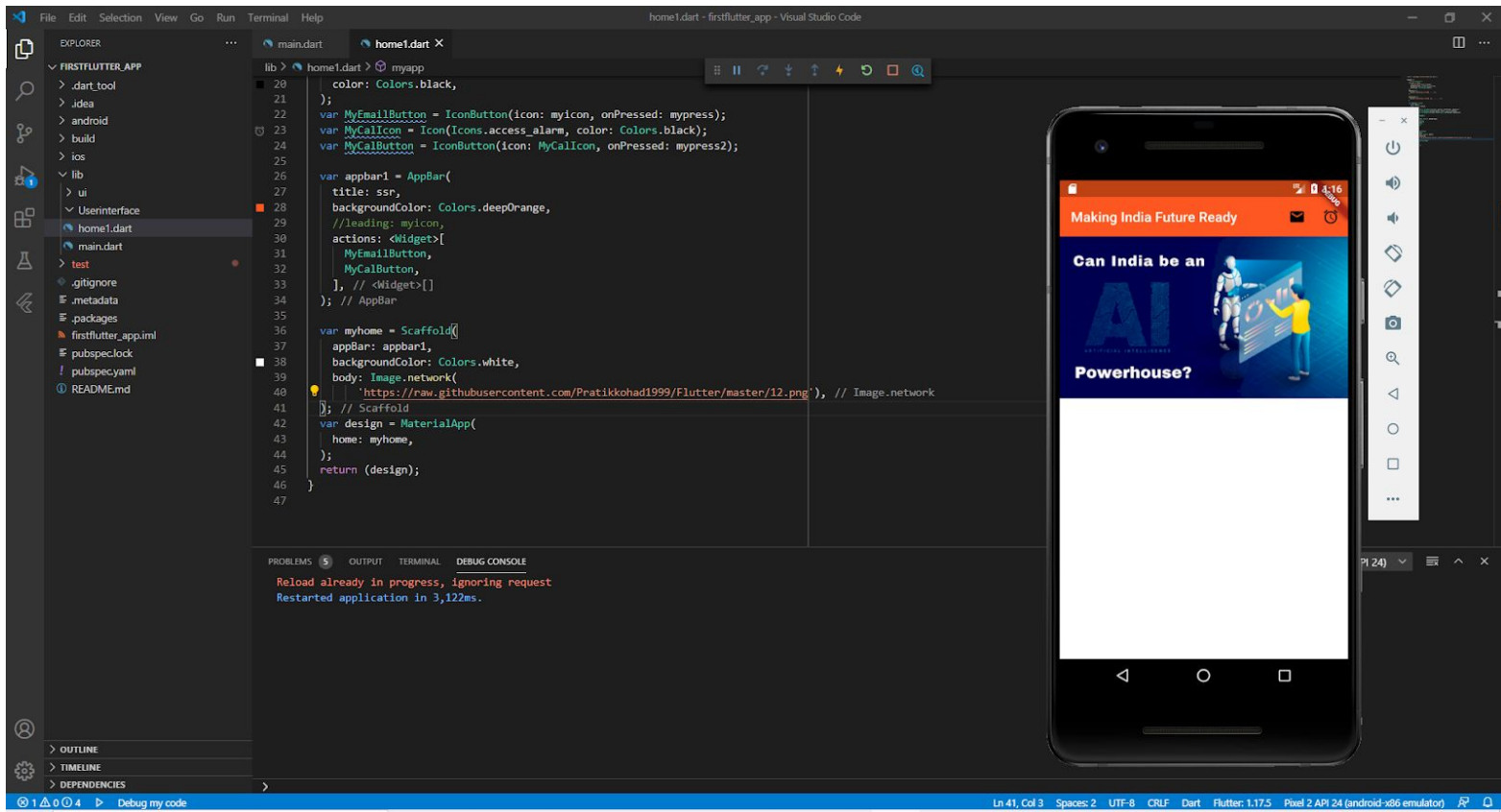
[IconButton](#)

PROPERTIES

[alignment](#)
[autofocus](#)
[color](#)
[constraints](#)
[disabledColor](#)
[enableFeedback](#)
[focusColor](#)
[focusNode](#)
[highlightColor](#)
[hoverColor](#)
[icon](#)
[iconSize](#)
[onPressed](#)
[padding](#)
[splashColor](#)
[tooltip](#)
[visualDensity](#)
[hashCode](#)







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master1 branch0 tags

Go to fileAdd fileCode

Pratikkohad1999 Making india future ready49982fc 12 minutes ago9 commits

Day 1Not in PDF6 days ago

Day 2Summary22 hours ago

Day 3Summary22 hours ago

12.pngMaking india future ready12 minutes ago

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Add a README

About

No description, website, or topics provided.

Releases

No releases published
Create a new release

Packages

No packages published
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12.png

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Pratikkohad1999 Making india future readyLatest commit 49982fc 11 minutes agoHistory

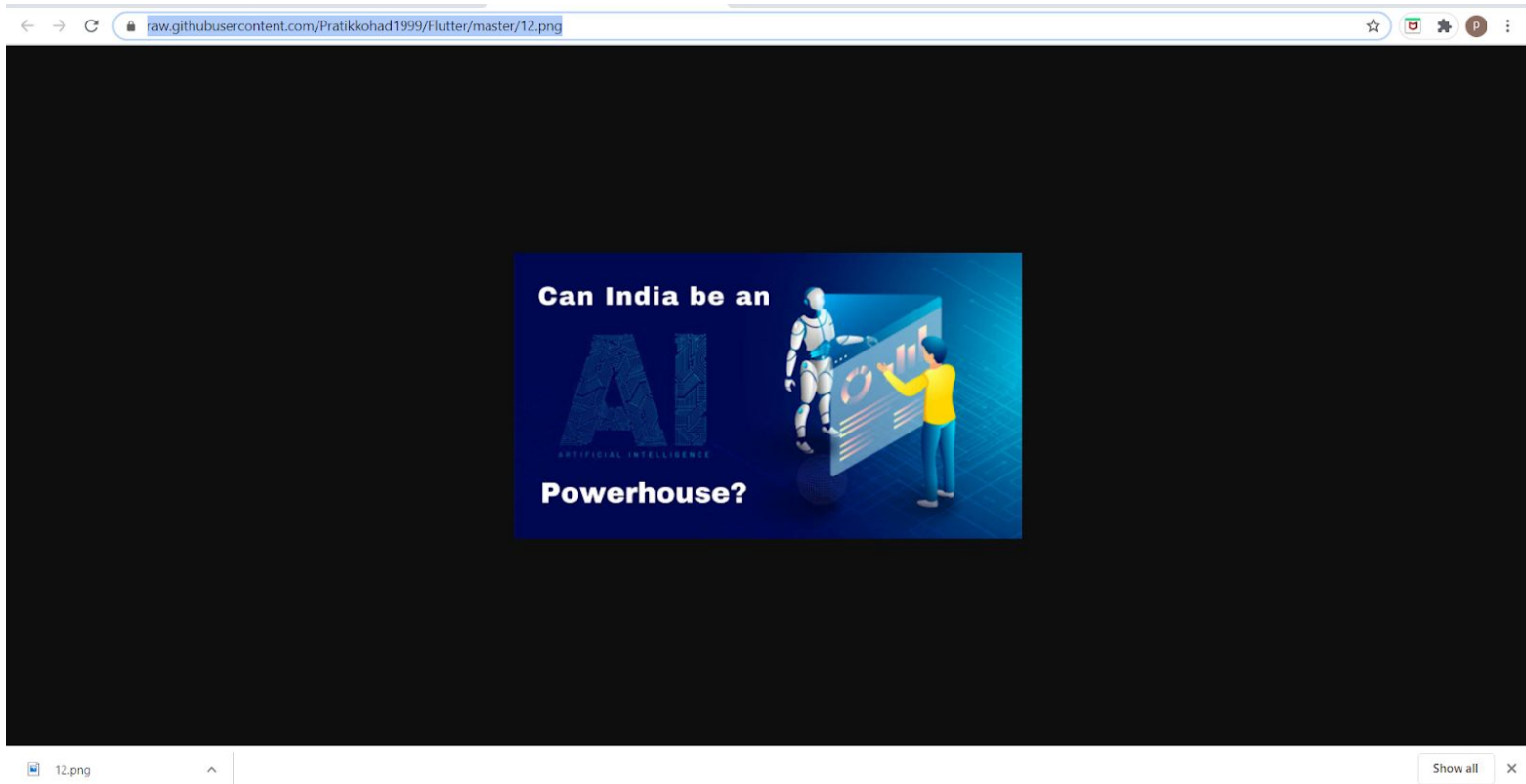
1 contributor

144 KBDownload



12.png

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Thanks For Reading!!!