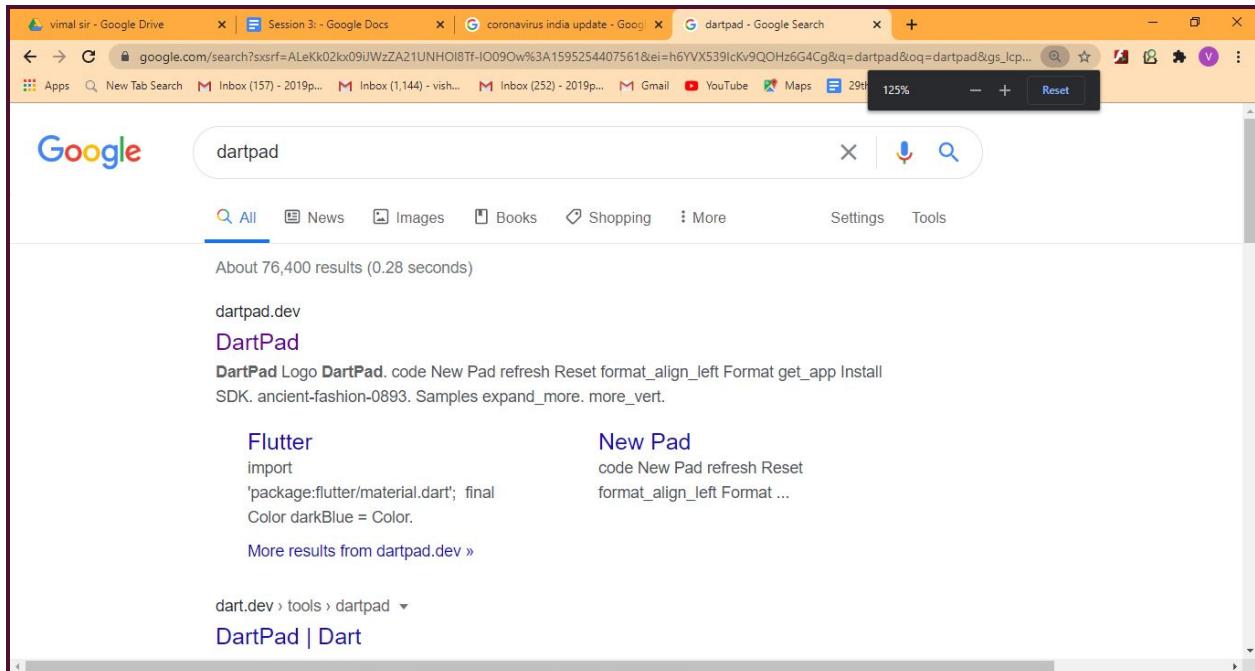


## Session 3:

### Installation of dart interpreter

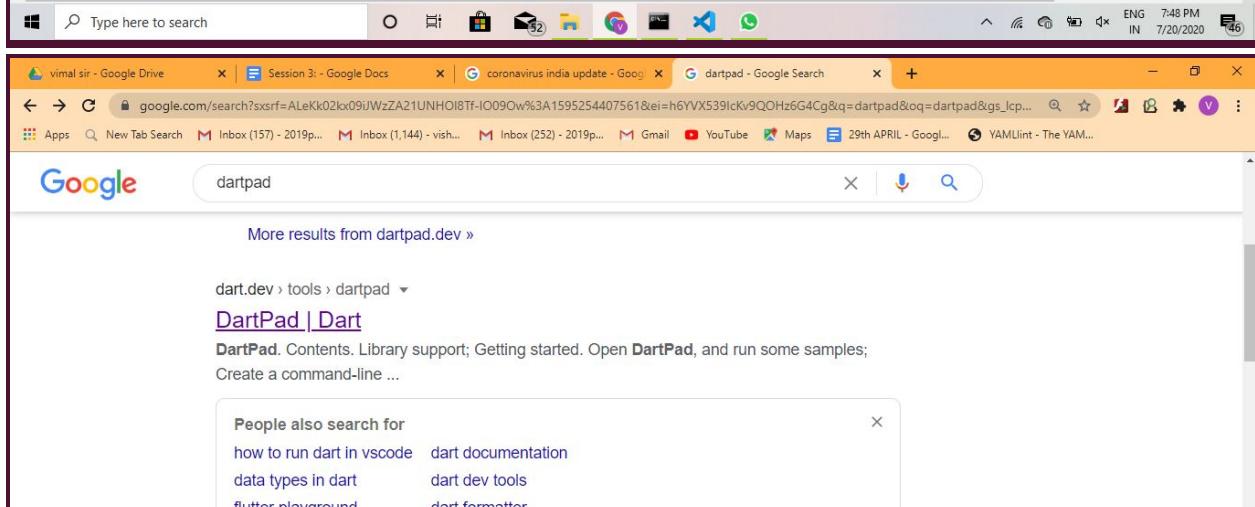


Google Search results for "dartpad":

- [dartpad.dev](#)
- [DartPad](#)  
DartPad Logo DartPad. code New Pad refresh Reset format\_align\_left Format get\_app Install SDK. ancient-fashion-0893. Samples expand\_more. more\_vert.
- [Flutter](#)  
import  
'package:flutter/material.dart'; final  
Color darkBlue = Color.  
[More results from dartpad.dev »](#)
- [New Pad](#)  
code New Pad refresh Reset  
format\_align\_left Format ...

dart.dev › tools › dartpad ▾

[DartPad | Dart](#)



More results from dartpad.dev »

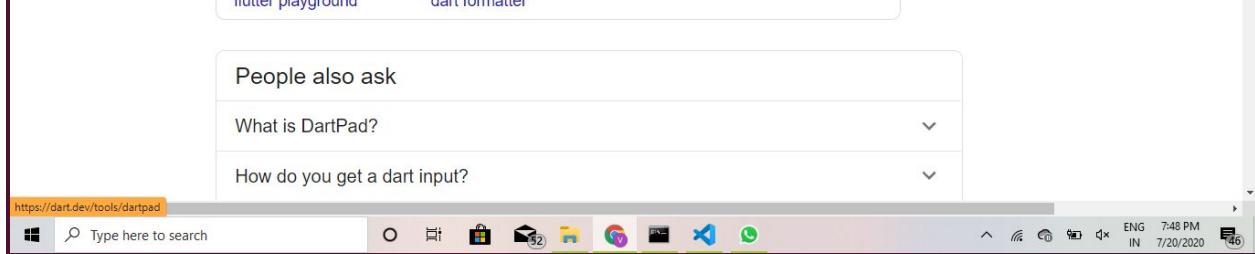
dart.dev › tools › dartpad ▾

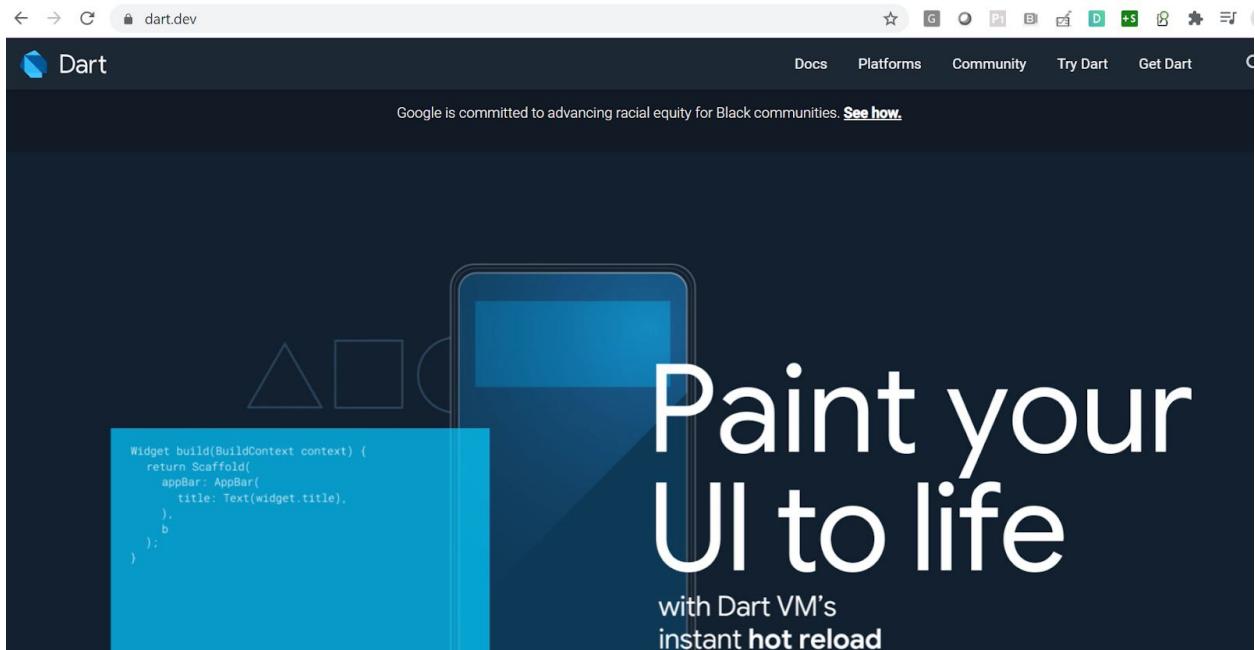
[DartPad | Dart](#)

DartPad. Contents. Library support; Getting started. Open DartPad, and run some samples; Create a command-line ...

People also search for

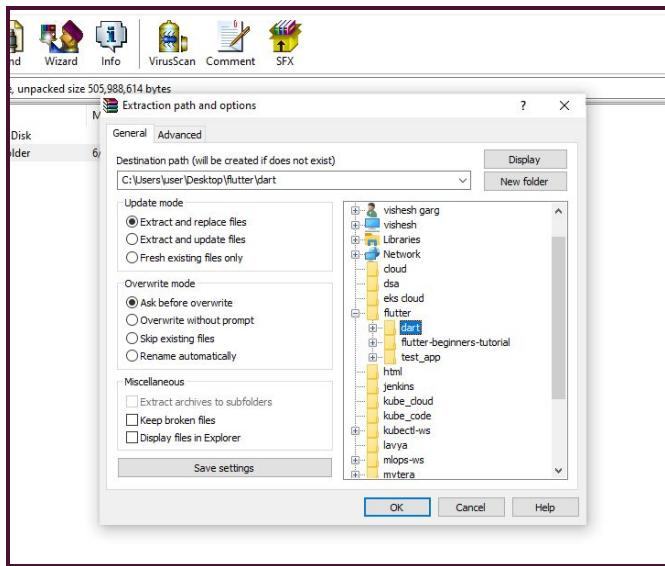
- how to run dart in vscode
- data types in dart
- flutter playground
- dart documentation
- dart dev tools
- dart formatter

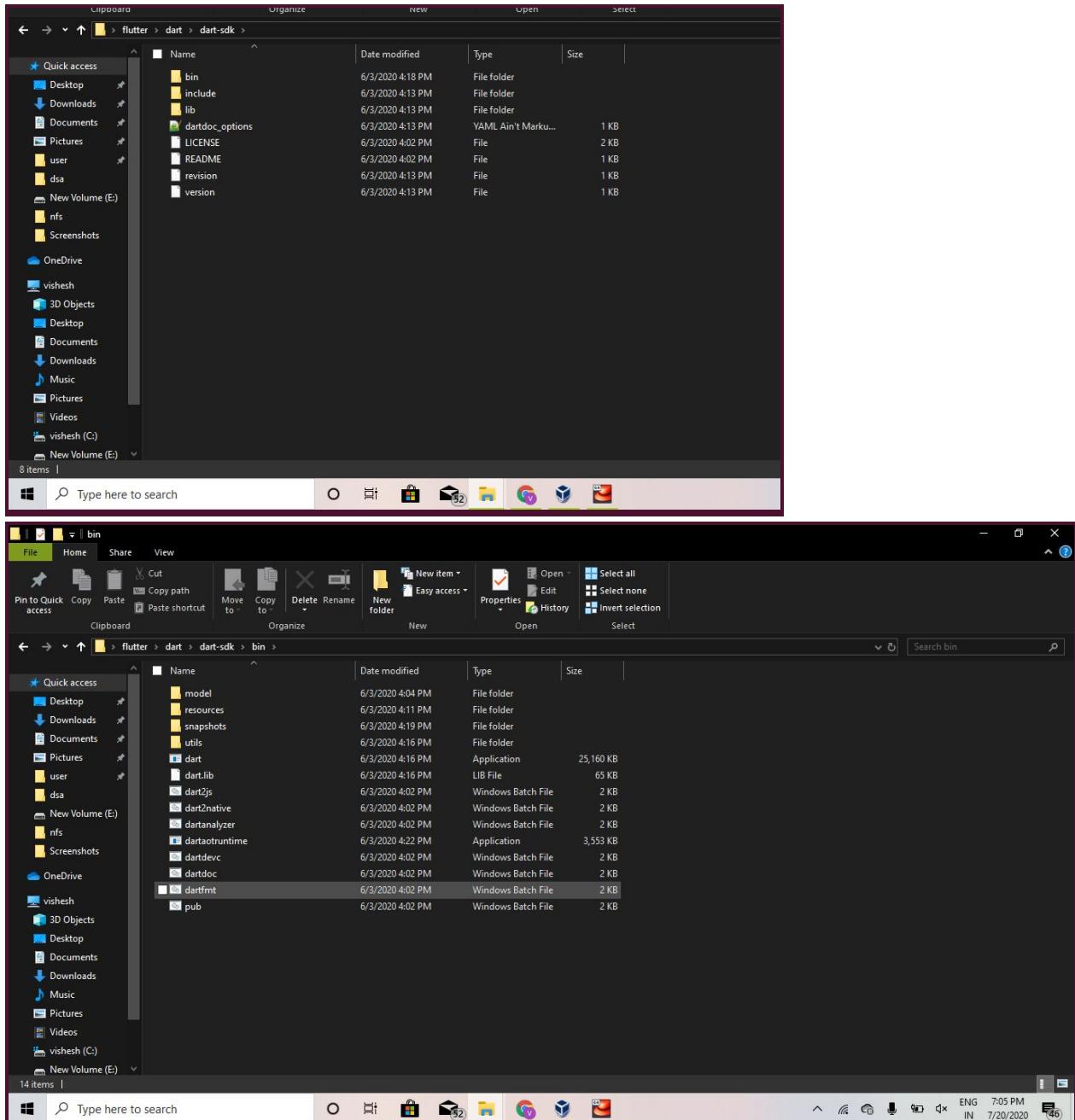




```
Widget build(BuildContext context) {
  return Scaffold(
    appBar: AppBar(
      title: Text(widget.title),
    ),
  );
}
```

<https://dart.dev/tools/sdk/archive>





C:\Users\user>dart --version

Dart VM version: 2.8.4 (stable) (Wed Jun 3 12:26:04 2020 +0200) on "windows\_x64"

C:\Users\user>cd Desktop

C:\Users\user\Desktop>cd flutter

C:\Users\user\Desktop\flutter>dir

Volume in drive C is vishesh

Volume Serial Number is 1CF6-F84B

### Directory of C:\Users\user\Desktop\flutter

07/20/2020 07:04 PM <DIR>	.
07/20/2020 07:04 PM <DIR>	..
07/20/2020 07:04 PM <DIR>	dart
06/03/2020 01:47 PM <DIR>	flutter-beginners-tutorial
07/16/2020 08:59 PM <DIR>	test_app
0 File(s) 0 bytes	
5 Dir(s) 128,017,244,160 bytes free	

C:\Users\user\Desktop\flutter>flutter create test2

Running "flutter pub get" in test2... 3.9s

Wrote 72 files.

All done!

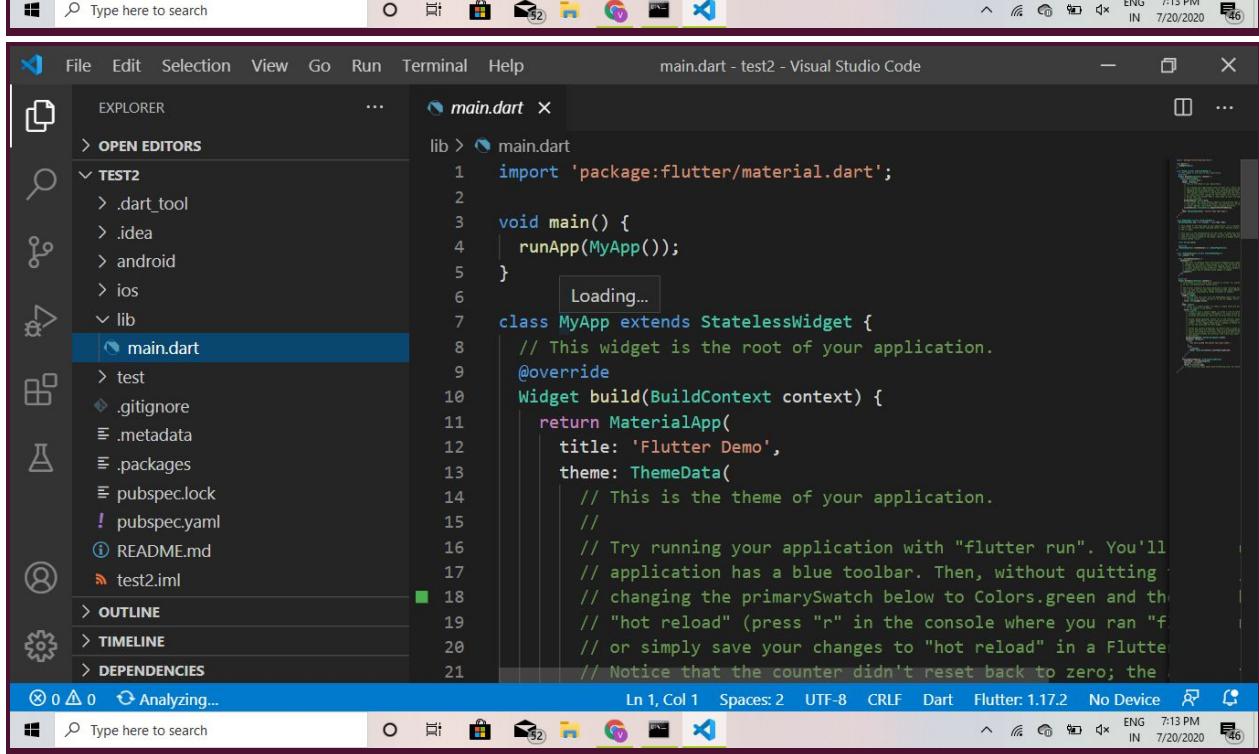
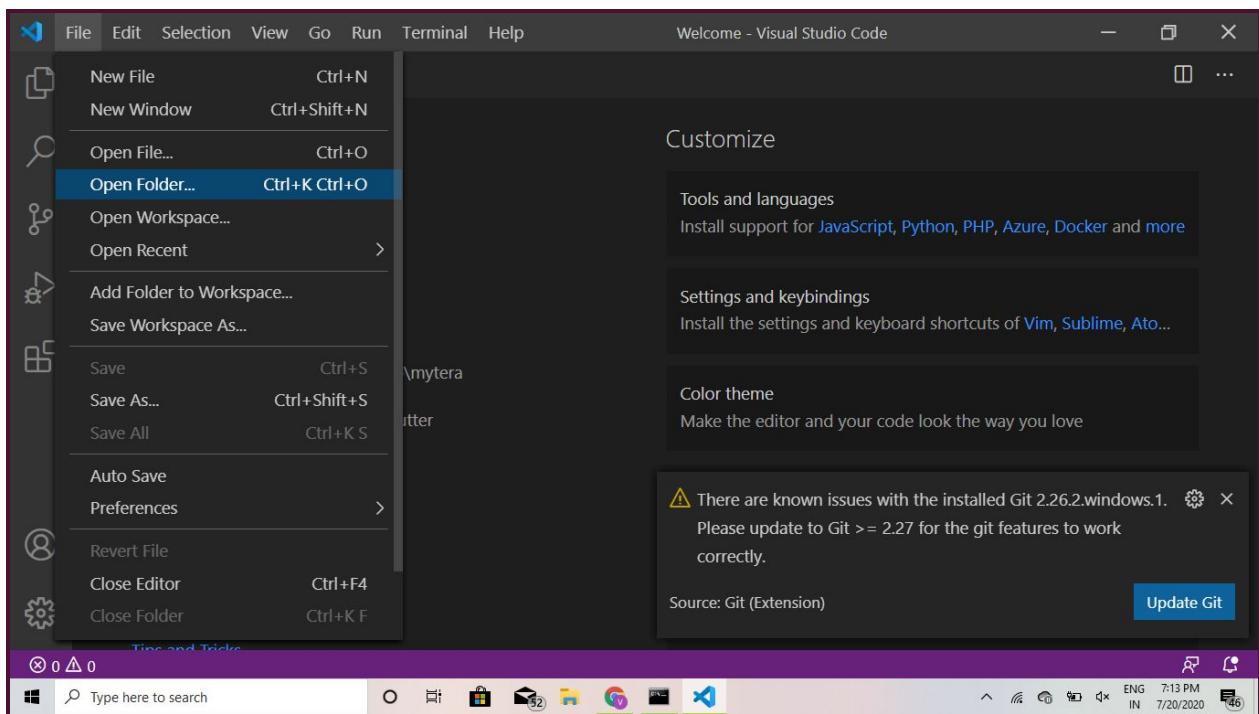
[√] Flutter: is fully installed. (Channel stable, v1.17.2, on Microsoft Windows [Version 10.0.18362.959], locale en-US)

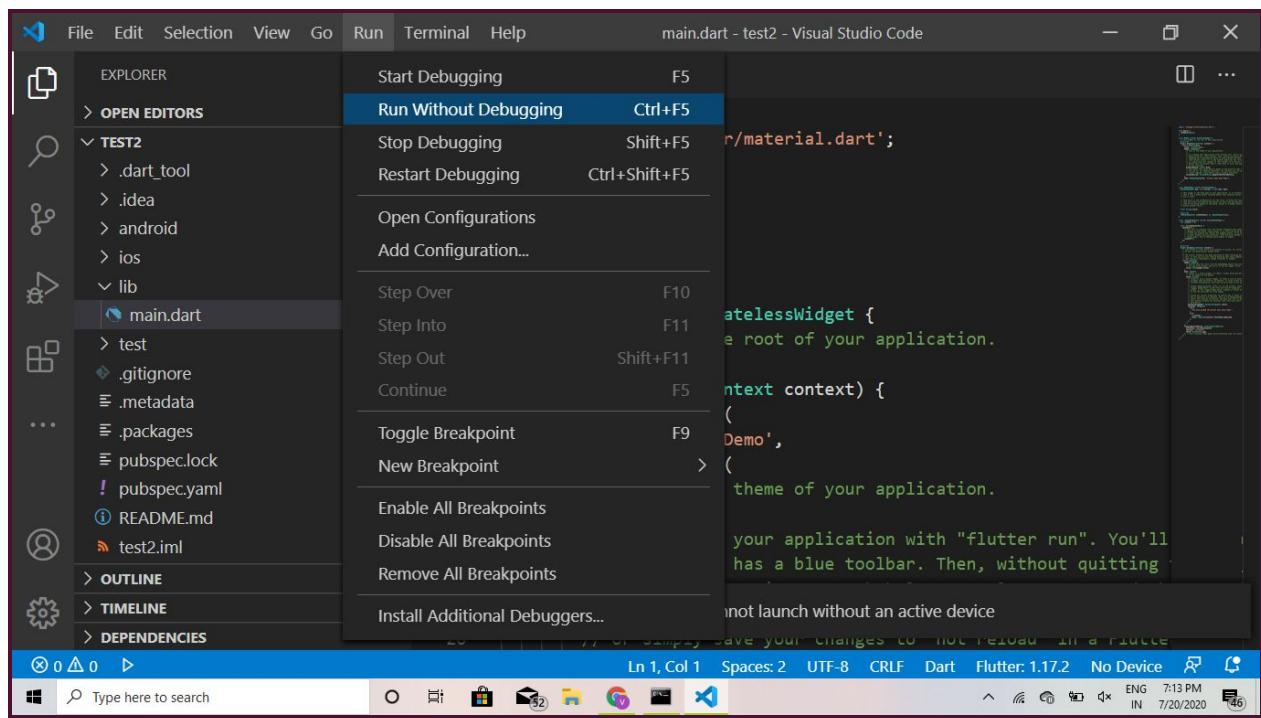
[√] Android toolchain - develop for Android devices: is fully installed. (Android SDK version 29.0.3)

[√] Android Studio: is fully installed. (version 4.0)

[√] VS Code: is fully installed. (version 1.47.2)

[!] Connected device: is not available.





```
lib > main.dart > ...
1 import 'package:flutter/material.dart';
2
3 void main() {
4   runApp(MyApp());
5 }
6
7 class MyApp extends StatelessWidget {
8   // This widget is the root of your application.
9   @override
10  Widget build(BuildContext context) {
11    return MaterialApp(
12      title: 'Flutter Demo',
13      theme: ThemeData(
14        // This is the theme of your application.
15        //
16        // Try running "flutter run" to see this in action.
17        // The theme applies to all widgets in this app.
18        // To change the theme, restart your application.
19        // "hot reload" (press "r" in the console where you ran "flutter run")
20        // or simply save your changes to "hot reload" in a Flutter
21        // project. You'll see the counter didn't reset back to zero; the
22        // counter is not restarted.
23        primarySwatch: Colors.blue,
24        // This makes the visual density adapt to the platform that
25        // the app on. For desktop platforms, the controls will be
26        // closer together (more dense) than on mobile platforms.
27        visualDensity: VisualDensity.adaptivePlatformDensity,
28    ), // ThemeData
29    home: MyHomePage(title: 'Flutter Demo Home Page'),
30  ); // MaterialApp
31 }
32 }
33
34 class MyHomePage extends StatefulWidget {
35   MyHomePage({Key key, this.title}) : super(key: key);
36 }
```

```
lib > main.dart > ...
1 import 'package:flutter/material.dart';
2
3 void main() {
4   runApp(MyApp());
5 }
6
7 class MyApp extends StatelessWidget {
8   // This widget is the root of your application.
9   @override
10  Widget build(BuildContext context) {
11    return MaterialApp(
12      title: 'Flutter Demo',
13      theme: ThemeData(
14        // This is the theme of your application.
15        //
16        // Try running "flutter run" to see this in action.
17        // The theme applies to all widgets in this app.
18        // To change the theme, restart your application.
19        // "hot reload" (press "r" in the console where you ran "flutter run")
20        // or simply save your changes to "hot reload" in a Flutter
21        // project. You'll see the counter didn't reset back to zero; the
22        // counter is not restarted.
23        primarySwatch: Colors.blue,
24        // This makes the visual density adapt to the platform that
25        // the app on. For desktop platforms, the controls will be
26        // closer together (more dense) than on mobile platforms.
27        visualDensity: VisualDensity.adaptivePlatformDensity,
28    ), // ThemeData
29    home: MyHomePage(title: 'Flutter Demo Home Page'),
30  ); // MaterialApp
31 }
32 }
33
34 class MyHomePage extends StatefulWidget {
35   MyHomePage({Key key, this.title}) : super(key: key);
36 }
```

**Connect ur mobile using usb cable**

**We have to change the mode of the mobile phone into the developer mode**

**And usb debugger**

7:22 PM

1.8KB/s 4G 84%

# Settings

Search settings

 **About phone** MIUI Global 12.0.2 >

 **System apps updater** 2 >

 **Security status** >

 **SIM cards & mobile networks** >

 **Wi-Fi** Off >

 **Bluetooth** Off >

 **Portable hotspot** Off >

 **Connection & sharing** >

 **Always-on display & Lock** >





7:24 PM

0.0KB/s



4G

4G

35



## About phone



**MIUI version**  
MIUI Global  
12.0.2  
Stable

**Device name**

Redmi K20

**Storage**

Occupied  
**57.2GB**/64GB

**MIUI version**

MIUI Global 12.0.2  
Stable  
12.0.2.0(QFJINXM)

**Android version**

10 QKQ1.190825.002

**Android security patch level**

2020-06-01

All spe

No need, you are already a developer.



**Back up and restore**



7:28 PM 📡 ⚡ ⏱ ...

0.0KB/s 📈 4G 🔋 35%

## Settings

 Battery & performance >

 Apps >

 Additional settings >

---

 Digital Wellbeing & parental controls >

 Special features >

---

 Mi Account 5241708987 >

 Google >

 Accounts & sync >

---

 Privacy >

 Location >



7:28 PM 📡 ⚡ ⏱

0.0KB/s 📡 4G 🔋 35%



## Additional settings

**Full screen display** >

**Button shortcuts** >

**Notification light** >

**Quick ball** >

**One-handed mode** >

**Accessibility** >

**Enterprise mode** >

**Developer options** >

Need other settings?

[Back up and restore](#)

[Sound effects](#)



7:27 PM 📡 ⚡ ⚡ ⚡

0.0KB/s 📡 ⚡ ⚡ ⚡



## Developer options

longer unlock a locked device.

### Lock screen when trust is lost

If enabled, the device will lock when the last trust agent loses trust



### DEBUGGING

#### USB debugging

Debug mode when USB is connected



[Revoke USB debugging authorisations >](#)

#### Install via USB

Allow installing apps via USB



#### USB debugging (Security settings)

Allow granting permissions and simulating input via USB debugging



#### Select mock location app

No mock location app set



#### Force full GNSS measurements

Track all GNSS constellations and frequencies with no duty cycling



**Go to the setting and in setting go to about phone**

**Press the android version 7-8 times**

**After enabling the developer mode go to the additional setting and go to developer option**

**And after going to the developer enable USD debugging and install via USD**

The screenshot shows the Visual Studio Code interface during a Flutter application debug session. The main area displays the `main.dart` file:

```
lib > lib/main.dart > MyApp > build
26     // closer together (more dense) than on mobile platforms.
27     visualDensity: VisualDensity.adaptivePlatformDensity,
28     ), // ThemeData
29     home: MyHomePage(title: 'Vishesh Garg Flutter Demo Home Page'
30   ); // MaterialApp
31 }
32 }

34 class MyHomePage extends StatefulWidget {
35   MyHomePage({Key key, this.title}) : super(key: key);
36
37   // This widget is the home page of your application. It is state
38   // that it has a State object (defined below) that contains field
```

The bottom half of the screen shows the `Flutter (Redmi K20)` terminal output, which is mostly blank except for some initial boot logs.

At the bottom, the status bar indicates the current line (`Ln 29, Col 45 (14 selected)`), encoding (`Spaces: 2`), character set (`UTF-8`), and file type (`Dart`).

7:35 PM

0.0KB/s

7:35

Mon, 20 July



Clear 32°C

## Install via USB



test2

Install this app via USB?



Remember my choice

Install

Deny (5)

7:35 PM

0.6KB/s

382

BUG

## Flutter Demo Home Page

You have pushed the button this many times:

0

+

The screenshot shows the Visual Studio Code interface during the debugging of a Flutter application. The file `main.dart` is open in the editor, showing the following code snippet:

```
lib > main.dart > ...
13     theme: ThemeData(
14         // This is the theme of your application.
15         //
16         // Try running your application with "flutter run". You'll
17         // see the application has a blue toolbar. Then, without quitting
18         // the application, change the primarySwatch below to Colors.green and
19         // then "hot reload" (press "r" in the console where you ran "flutter
20         // run"). You'll see that the application changes to green. Notice that
21         // the counter didn't reset back to zero; the state is not
22         // lost.
23     primarySwatch: Colors.blue,
24     // This makes the visual density adapt to the platform that
25     // the app on. For desktop platforms, the controls will be
```

The `WATCH` panel shows a variable being monitored. The `CALL STACK` panel is collapsed.

In the `DEBUG CONSOLE` tab, the output is:

```
Launching lib\main.dart on Redmi K20 in debug mode...
✓ Built build\app\outputs\apk\debug\app-debug.apk.
Connecting to VM Service at ws://127.0.0.1:16345/YsYhNn71qOs=/ws
I/m.example.test(10131): ProcessProfilingInfo new_methods=402 is saved saved_to_disk=1 resolve_classes_delay=8000
```

The status bar at the bottom indicates the following information:

- Debug mode: `Debug my code`
- File path: `Ln 1, Col 1`
- Text encoding: `Spaces: 2`
- Line separator: `UTF-8`
- Language: `Dart`
- Flutter version: `Flutter 1.17.2`
- Device: `Redmi K20 (android-arm64)`
- System: `Windows 10`
- Time: `7:35 PM`
- Date: `7/20/2020`

7:37 PM

39.2KB/s

3G

## Vishesh Garg Flutter Demo Home Page

You have pushed the button this many times:

0

+

The screenshot shows the Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** main.dart - test2 - Visual Studio Code.
- Explorer:** Shows the project structure:
  - TEST2
  - .dart\_tool
  - .idea
  - .vscode
  - android
  - build
  - ios
  - lib
    - main.dart
  - test
  - .gitignore
  - .metadata
  - packages
  - pubspec.lock
  - ! pubspec.yaml
- Editor:** The main.dart file is open, showing Dart code for a Flutter application. A yellow lightbulb icon is present on line 29, indicating a suggestion or error.
- Bottom Bar:** PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, Flutter (Redmi K20) dropdown, and various window control icons.

**Flutter understand dart language only**

Google

Search: dartpad.dartlang

All News Shopping Videos Images More Settings Tools

About 11,500 results (0.30 seconds)

[dartpad.dev](#)

**DartPad**

DartPad. code New Pad refresh Reset format\_align\_left Format get\_app Install SDK. ancient-fashion-0893. Samples expand\_more. more\_vert. Dart HTML CSS.

[dartpad.dartlang.org](#) › ...

**New Pad - DartPad**

```
import 'dart:math'; abstract class Shape { factory Shape(String type) { if (type == 'circle') return Circle(2); if (type == 'square') return Square(2); throw 'Can't ...' }}
```

[dartpad.dartlang.org](#) › ...

**DartPad**

Dart HTML CSS play arrow Run. xxxxxxxxx. void main() { var x = 1; var v = 1.0;

Waiting for ogs.google.com...

DartPad

void main() {  
 for(int i=0;i<5;i++) {  
 print ('hello \${i+1}');  
 } }

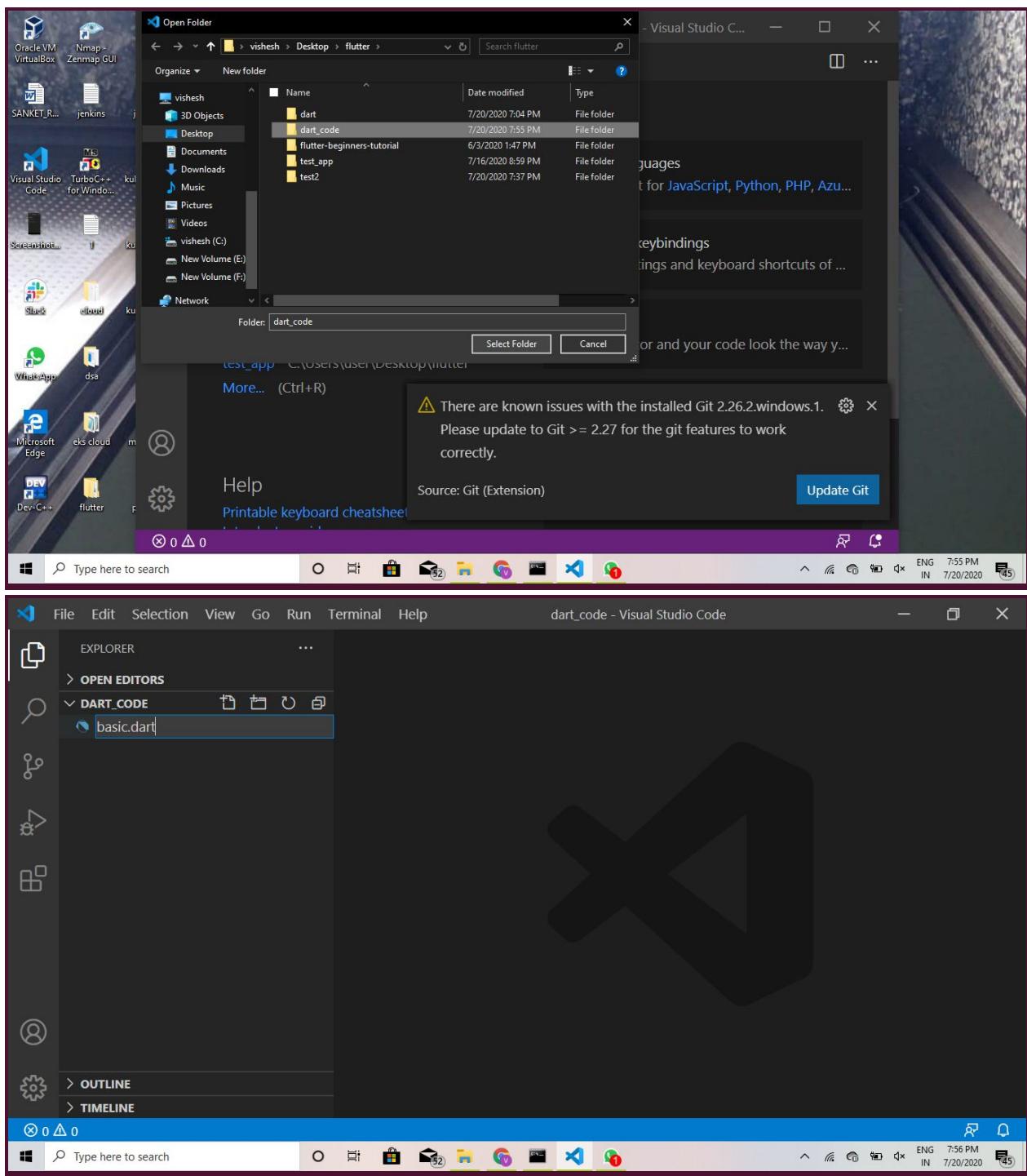
RUN

Console

Documentation

no issues Based on Dart SDK 2.8.4

C:\Users\user\Desktop\flutter>mkdir dart\_code



File Edit Selection View Go Run Terminal Help

basic.dart - dart\_code - Visual Studio Code

EXPLORER OPEN EDITORS DART\_CODE basic.dart 2

basic.dart X

basic.dart > print  
1 print("vishesh garg");

PROBLEMS 2 TERMINAL ... 1: powershell + - ×

Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell <https://aka.ms/powershell>

PS C:\Users\user\Desktop\flutter\dart\_code>

Ln 1, Col 23 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4

Type here to search

Windows taskbar icons: File Explorer, Edge, File Manager, Task View, Taskbar settings, Taskbar info.

System tray: ENG 7:57 PM IN 7/20/2020

File Edit Selection View Go Run Terminal Help

basic.dart - dart\_code - Visual Studio Code

EXPLORER OPEN EDITORS DART\_CODE basic.dart 2

basic.dart X

basic.dart > print  
1 print("vishesh garg");

PROBLEMS 2 TERMINAL ... 1: powershell + - ×

Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell <https://aka.ms/powershell>

PS C:\Users\user\Desktop\flutter\dart\_code> dir

Directory: C:\Users\user\Desktop\flutter\dart\_code

Mode	LastWriteTime	Length	Name
-a----	7/20/2020 7:57 PM	22	basic.dart

Ln 1, Col 23 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4

Type here to search

Windows taskbar icons: File Explorer, Edge, File Manager, Task View, Taskbar settings, Taskbar info.

System tray: ENG 7:57 PM IN 7/20/2020

File Edit Selection View Go Run Terminal Help

basic.dart - dart\_code - Visual Studio Code

EXPLORER OPEN EDITORS DART\_CODE basic.dart 2

basic.dart X

basic.dart > print  
1 print("vishesh garg");

PROBLEMS 2 TERMINAL ... 1: powershell + - ×

```
PS C:\Users\user\Desktop\flutter\dart_code> dart .\basic.dart
basic.dart:1:7: Error: Expected an identifier, but got '"vishesh garg"'.
print("vishesh garg");
^~~~~~
basic.dart:1:22: Error: Expected a function body or '=>'.
Try adding {}.
print("vishesh garg");
^
```

```
PS C:\Users\user\Desktop\flutter\dart_code> dart basic.dart
basic.dart:1:7: Error: Expected an identifier, but got '"vishesh garg"'.
print("vishesh garg");
```

Ln 1, Col 23 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4 🔍 ⌂

2 0 Type here to search

Windows Taskbar: File Explorer, Edge, File Manager, Google Chrome, VS Code, PowerShell, Task View, Taskbar icons.

System tray: ENG 7:59 PM IN 7/20/2020

File Edit Selection View Go Run Terminal Help

basic.dart - dart\_code - Visual Studio Code

EXPLORER OPEN EDITORS DART\_CODE basic.dart

basic.dart X

basic.dart > ...

Run | Debug

1 main() {  
2 | print("vishesh garg");  
3 }  
4

PROBLEMS TERMINAL ... 1: powershell + - ×

```
PS C:\Users\user\Desktop\flutter\dart_code> dart basic.dart
basic.dart:1:7: Error: Expected an identifier, but got '"vishesh garg"'.
print("vishesh garg");
^~~~~~
basic.dart:1:22: Error: Expected a function body or '=>'.
Try adding {}.
print("vishesh garg");
^
```

```
PS C:\Users\user\Desktop\flutter\dart_code> dart basic.dart
vishesh garg
PS C:\Users\user\Desktop\flutter\dart_code>
```

0 0 Type here to search

Windows Taskbar: File Explorer, Edge, File Manager, Google Chrome, VS Code, PowerShell, Task View, Taskbar icons.

System tray: ENG 8:00 PM IN 7/20/2020

File Edit Selection View Go Run Terminal Help

basic.dart - dart\_code - Visual Studio Code

EXPLORER DART\_CODE basic.dart

```
basic.dart X
basic.dart > main
Run | Debug
1 main() [
2   print("vishesh garg");
3   print("my flutter project");
4 ]
5
```

PROBLEMS TERMINAL ...

1: powershell

```
print("vishesh garg");
^~~~~~
basic.dart:1:22: Error: Expected a function body or '=>'.
Try adding {}.
print("vishesh garg");
^
PS C:\Users\user\Desktop\flutter\dart_code> dart basic.dart
vishesh garg
PS C:\Users\user\Desktop\flutter\dart_code> dart basic.dart
vishesh garg
my flutter project
PS C:\Users\user\Desktop\flutter\dart_code>
```

Ln 3, Col 31 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4

Type here to search

File Edit Selection View Go Run Terminal Help

basic.dart - dart\_code - Visual Studio Code

EXPLORER DART\_CODE basic.dart

```
basic.dart X
basic.dart > main
Run | Debug
1 main() [
2   print("vishesh garg");
3   print("my flutter project");
4   print("lavya");
5 ]
6
```

PROBLEMS TERMINAL ...

1: powershell

```
print("vishesh garg");
^
PS C:\Users\user\Desktop\flutter\dart_code> dart basic.dart
vishesh garg
PS C:\Users\user\Desktop\flutter\dart_code> dart basic.dart
vishesh garg
my flutter project
PS C:\Users\user\Desktop\flutter\dart_code> dart basic.dart
vishesh garg
my flutter project
lavya
PS C:\Users\user\Desktop\flutter\dart_code>
```

Ln 4, Col 18 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4

Type here to search

```
vishesh() {
  print("vishesh garg");
  print("my flutter project");
  print("lavya");
}
vishesh();
```

File Edit Selection View Go Run Terminal Help

basic.dart - dart\_code - Visual Studio Code

EXPLORER OPEN EDITORS DART\_CODE basic.dart

```
vishesh()
^
basic.dart:2:1: Context: Previous declaration of 'vishesh'.
vishesh() {
^
PS C:\Users\user\Desktop\flutter\dart_code> dart basic.dart
Dart_LoadScriptFromKernel: The binary program does not contain 'main'.
PS C:\Users\user\Desktop\flutter\dart_code>
```

PROBLEMS OUTPUT TERMINAL ... 1: powershell + - ×

Ln 6, Col 1 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4 🔍 ⚙ ENG 8:05 PM IN 7/20/2020 📋

File Edit Selection View Go Run Terminal Help

basic.dart - dart\_code - Visual Studio Code

EXPLORER OPEN EDITORS DART\_CODE basic.dart 2

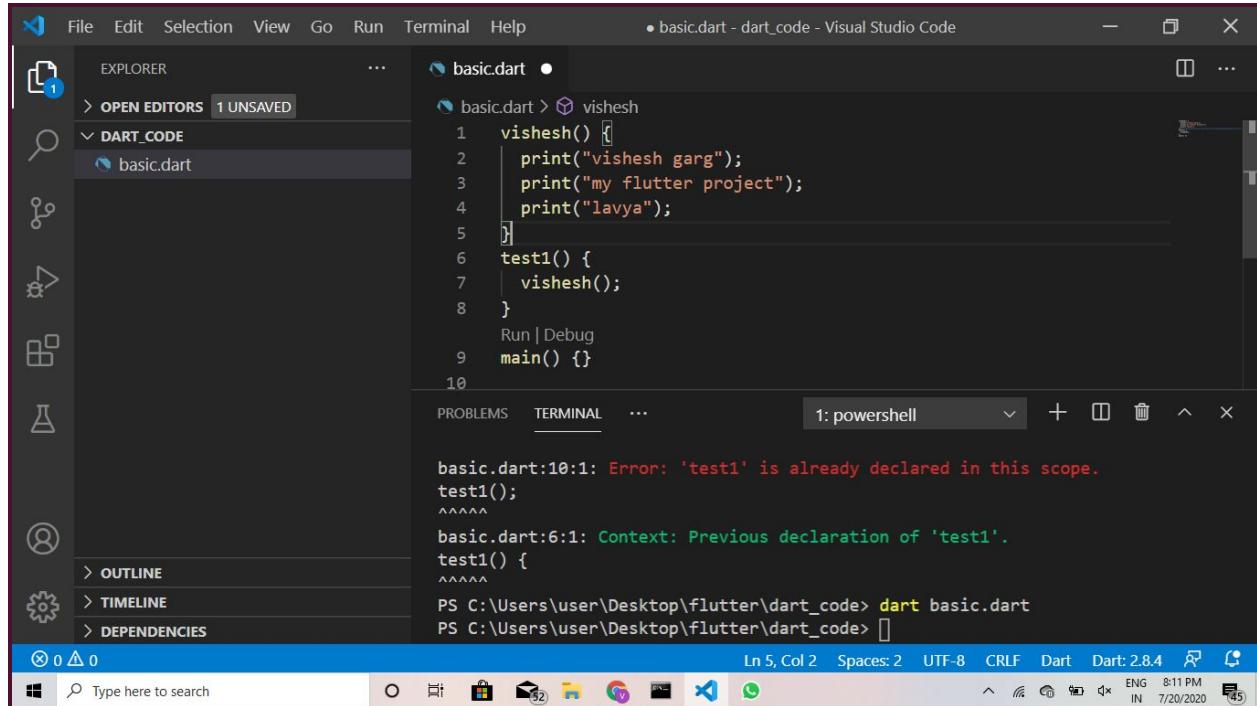
```
vishesh()
^
basic.dart:2:1: Error: 'test1' is already declared in this scope.
test1();
^
basic.dart:6:1: Context: Previous declaration of 'test1'.
test1() {
^
PS C:\Users\user\Desktop\flutter\dart_code>
```

PROBLEMS 2 TERMINAL ... 1: powershell + - ×

Ln 9, Col 9 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4 🔍 ⚙ ENG 8:08 PM IN 7/20/2020 📋

```
vishesh() {
    print("vishesh garg");
    print("my flutter project");
    print("lavya");
}
test1() {
```

```
vishesh();  
}  
  
test1();
```



The screenshot shows a Visual Studio Code interface with a dark theme. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The title bar indicates the file is "basic.dart - dart\_code - Visual Studio Code". The Explorer sidebar on the left shows "basic.dart" as the active editor. The main editor area contains the following Dart code:

```
vishesh();  
}  
  
test1();
```

The code has two errors highlighted in red:

- Line 6: `test1()` is declared again in the same scope.
- Line 9: `main()` is not defined.

The terminal below shows the command line output:

```
PS C:\Users\user\Desktop\flutter\dart_code> dart basic.dart  
PS C:\Users\user\Desktop\flutter\dart_code> []
```

The status bar at the bottom shows the current file is "basic.dart", line 5, column 2, with 2 spaces, using UTF-8 encoding, and Dart version 2.8.4. The system status shows ENG 8:11 PM IN 7/20/2020.

```
vishesh() {  
    print("vishesh garg");  
    print("my flutter project");  
    print("lavya");  
}  
  
test1() {  
    vishesh();  
}  
  
main() {}
```

**Main is the entry point in the file**

The screenshot shows the Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** basic.dart - dart\_code - Visual Studio Code.
- Explorer Panel:** Shows 1 UNSAVED file under DART\_CODE: basic.dart.
- Code Editor:** Displays the content of basic.dart. The code includes a `vishesh()` function, a `test1()` function, and a `main()` function.
- Terminal:** Shows the output of running the script: "PS C:\Users\user\Desktop\flutter\dart\_code> dart basic.dart", followed by the printed text: "hii", "vishesh garg", "my flutter project", and "lavya".
- Status Bar:** Shows Ln 8, Col 2, Spaces: 2, UTF-8, CRLF, Dart, Dart: 2.8.4, and system information (ENG, 8:13 PM, IN, 7/20/2020).

```
vishesh() {  
    print("vishesh garg");  
    print("my flutter project");  
    print("lavya");  
}  
  
test1() {  
    vishesh();  
}  
  
main() {  
    print("hii");  
    test1();  
}
```

File Edit Selection View Go Run Terminal Help basic.dart - dart\_code - Visual Studio Code

basic.dart X

basic.dart > main

```
1 visnesn() {
2     print("vishesh garg");
3     print("my flutter project");
4     print("lavya");
5 }
6
7 test1() {
8     vishesh();
9 }
10
11 main() {
12     print("hi");
```

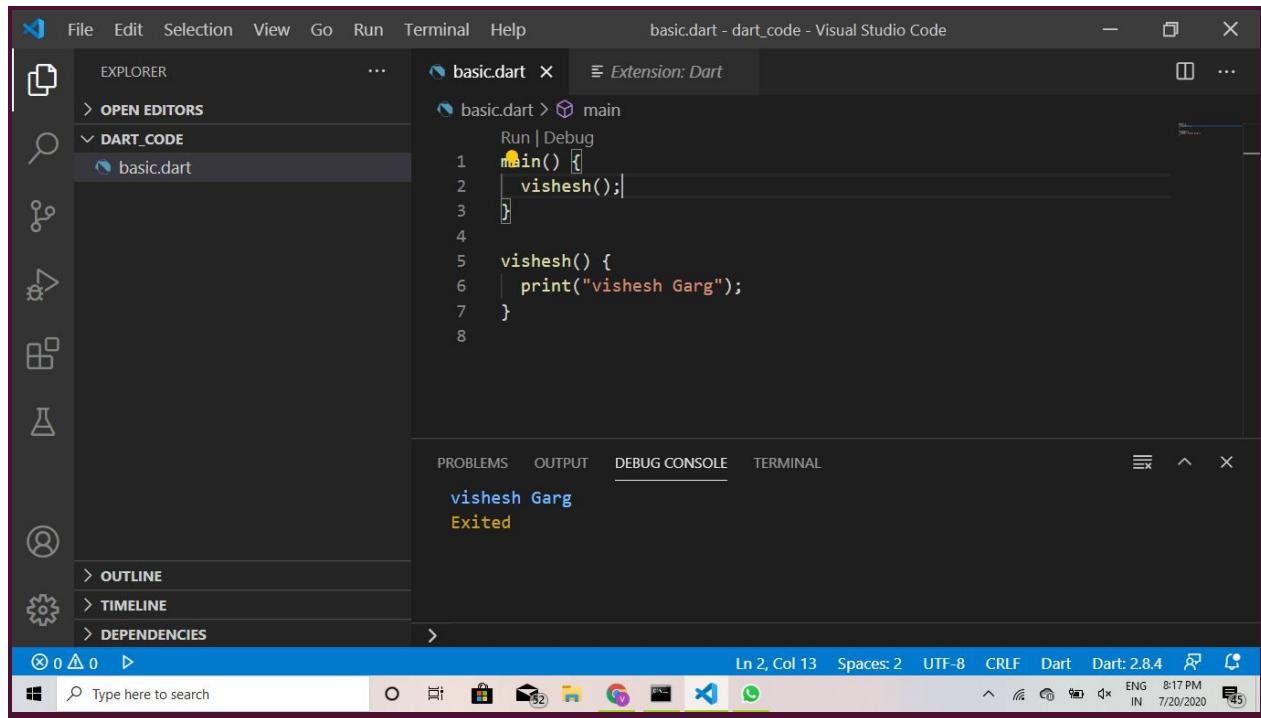
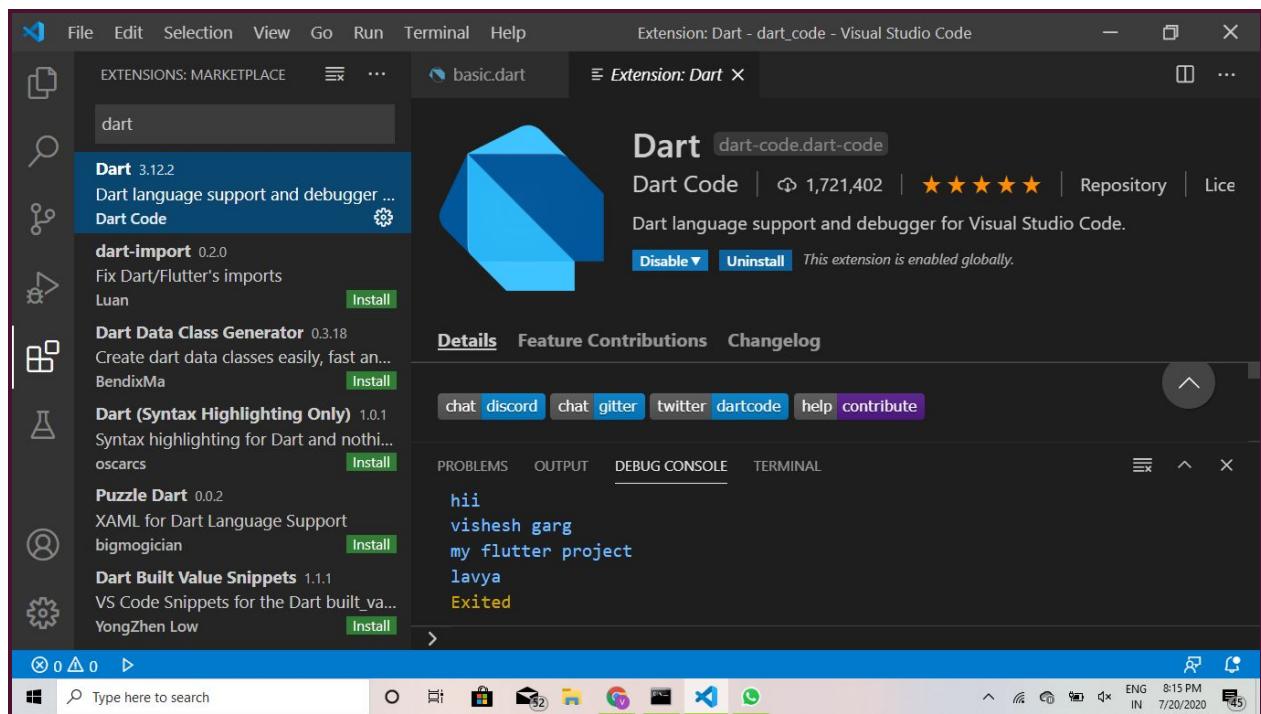
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

hi  
vishesh garg  
my flutter project  
lavya  
Exited

Ln 11, Col 1 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4

Type here to search

**u can use the run also to run instead of going to terminal**



File Edit Selection View Go Run Terminal Help basic.dart - dart\_code - Visual Studio Code

EXPLORER OPEN EDITORS DART\_CODE basic.dart > ... basic.dart > ... Extension: Dart

basic.dart X test1.dart

basic.dart > ... Run | Debug

```
1 main() {  
2     vishesh();  
3 }  
4
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

basic.dart:2:3: Error: Method not found: 'vishesh'.  
 vishesh();  
 ^^^^^^  
Exited (254)

Ln 4, Col 1 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4 Type here to search

This screenshot shows the Visual Studio Code interface with the 'DART\_CODE' folder open. The 'basic.dart' file is selected. The code contains a single line: `main() { vishesh(); }`. A red squiggle underlines the word 'vishesh()' with the tooltip 'Method not found: "vishesh".' The status bar at the bottom indicates 'Dart: 2.8.4'.

File Edit Selection View Go Run Terminal Help test1.dart - dart\_code - Visual Studio Code

EXPLORER OPEN EDITORS DART\_CODE basic.dart > ... test1.dart > ... dartcore

basic.dart X test1.dart

basic.dart > ... dartcore

```
void print(Object object)  
dartcore  
1 vi Prints a string representation of the object to the console.  
2     print("vishesh Garg");  
3 }  
4
```

PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL

basic.dart:2:3: Error: Method not found: 'vishesh'.  
 vishesh();  
 ^^^^^^  
Exited (254)

Ln 4, Col 1 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4 Type here to search

This screenshot shows the Visual Studio Code interface with the 'DART\_CODE' folder open. The 'test1.dart' file is selected. The code contains a single line: `print("vishesh Garg");`. A tooltip appears over the word 'print' with the text 'void print(Object object)' and 'Prints a string representation of the object to the console.'. The status bar at the bottom indicates 'Dart: 2.8.4'.

A screenshot of Visual Studio Code interface. The left sidebar shows the Explorer, Open Editors, and Dart Code sections. The main editor window displays the following Dart code:

```
basic.dart X test1.dart test2.dart Extension: Dart
basic.dart > ...
2
3 import "test1.dart";
4 |
5 Run | Debug
6 main() {
7   print("hii");
8   vishesh();
9 }
```

The Output tab shows the console output:

```
hii
vishesh Garg
Exited
```

The status bar at the bottom indicates: Ln 4, Col 1 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4 ENG 8:23 PM IN 7/20/2020

in programming world test1.dart is known as module

So here we have load the module

In dart function is known as method

A screenshot of Visual Studio Code interface. The left sidebar shows the Explorer, Open Editors, and Dart Code sections. The main editor window displays the following Dart code:

```
basic.dart X test1.dart test2.dart
basic.dart > main
2
3 import "test1.dart";
4 import 'test2.dart';
5
6 Run | Debug
7 main() [
8   print("hii");
9   // comment
10  vishesh();
11  vishesh2();
12 ]
```

The Output tab shows the console output:

```
hii
vishesh Garg
my flutter project
Exited
```

The status bar at the bottom indicates: Ln 8, Col 13 Spaces: 2 UTF-8 CRLF Dart Dart: 2.8.4 ENG 8:26 PM IN 7/20/2020

```
import "test1.dart";
import 'test2.dart';
```

```
main() {  
    print("hii");  
    // comment  
    vishesh();  
    vishesh2();  
}
```

```
vishesh() {  
    print("vishesh Garg");  
}
```

```
vishesh2() {  
    print("my flutter project");  
}
```

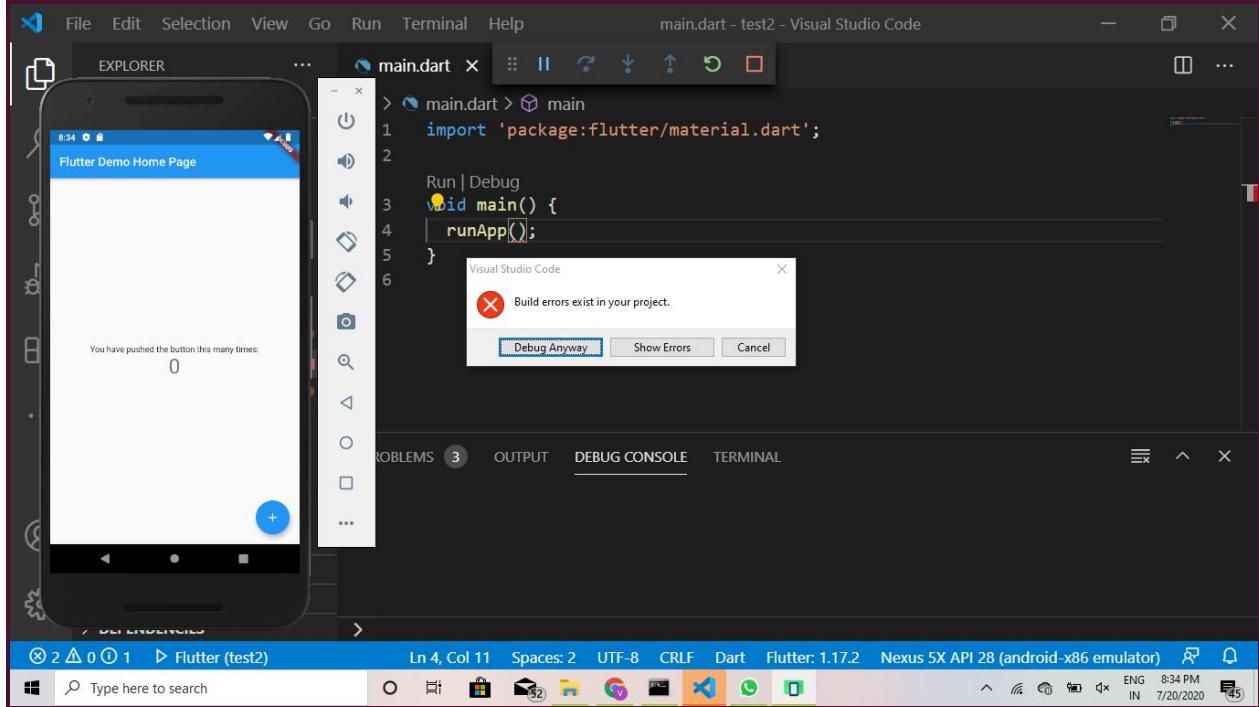
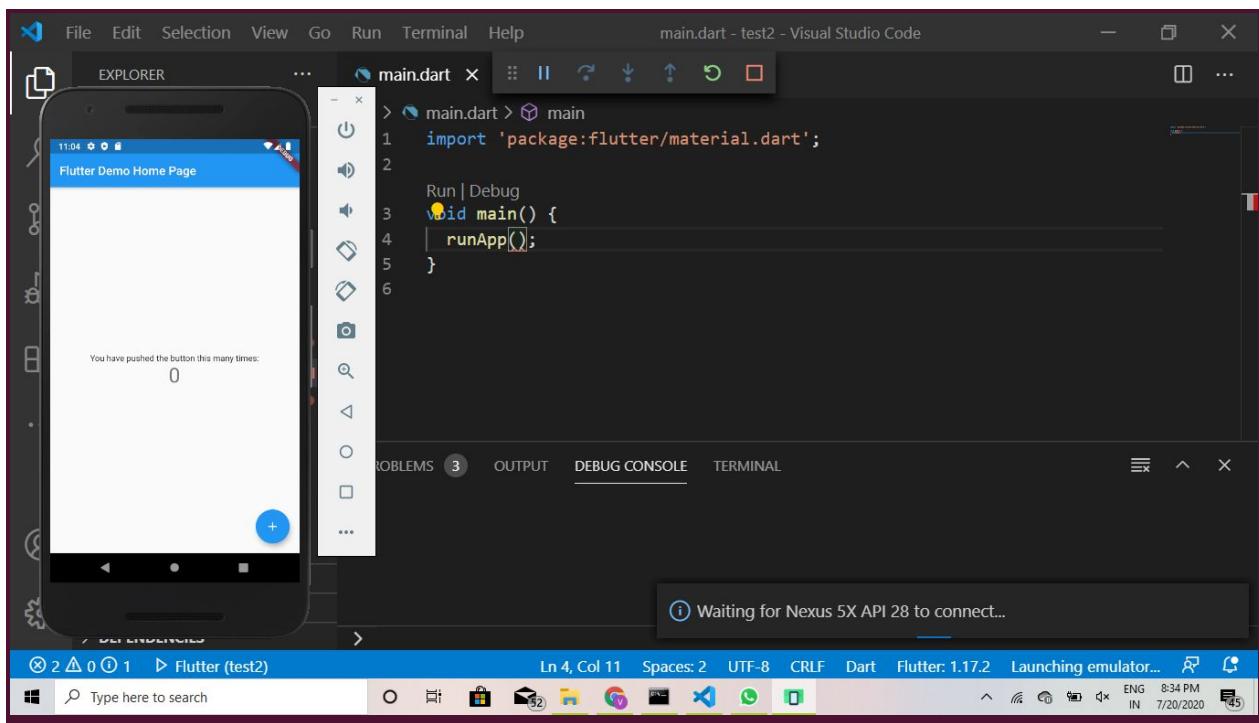
The screenshot shows the Visual Studio Code interface with the following details:

- File Menu:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** basic.dart - dart\_code - Visual Studio Code
- Explorer Bar:** Shows the file structure with **DART\_CODE** expanded, displaying **basic.dart**, **test1.dart**, and **test2.dart**. A red notification badge '1' is shown next to **basic.dart**.
- Editor Area:** Displays the **basic.dart** file content:

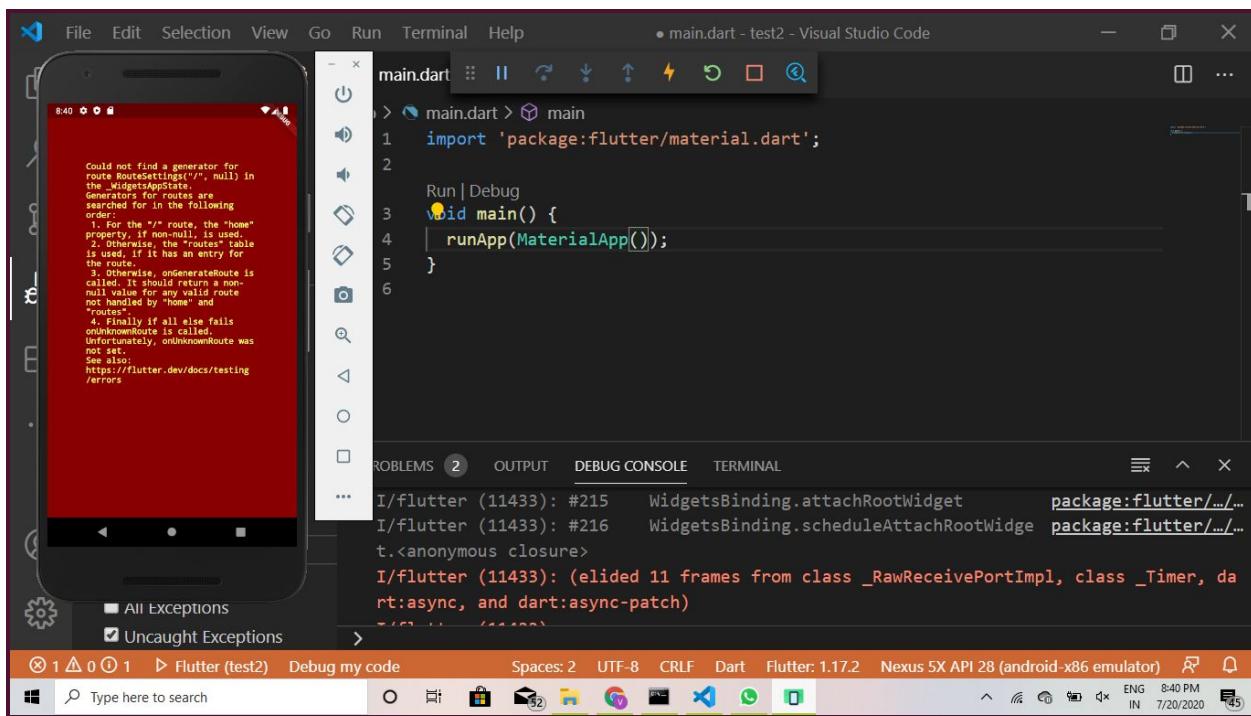
```
2  
3     main() {  
4         print("hii");  
5         // comment  
6         vishesh();  
7     }  
8
```
- Terminal:** Shows the output of the code execution:

```
hii  
vishesh Garg  
my flutter project  
Exited
```
- Bottom Status Bar:** Ln 3, Col 3, Spaces: 2, UTF-8, CRLF, Dart, Dart: 2.8.4, search bar, system icons, and date/time.

Framework means it has pre created function that we can use



their are wizard(app) that is pre created by the flutter



Could not find a generator for routeSettings("/", null) in the widget's state.  
Generators for routes are searched for 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 with the non-null value for any valid route not handled by "home" and "onUnknownRoute".  
4. Finally if all else fails onUnknownRoute is called.  
Unfortunately, onUnknownRoute was not set.  
See also:  
<https://flutter.dev/docs/testing/errors>

File Edit Selection View Go Run Terminal Help main.dart - test2 - Visual Studio Code

main.dart

```
main.dart > main
1 import 'package:flutter/material.dart';
2
3 void main() {
4   runApp(MaterialApp());
5 }
```

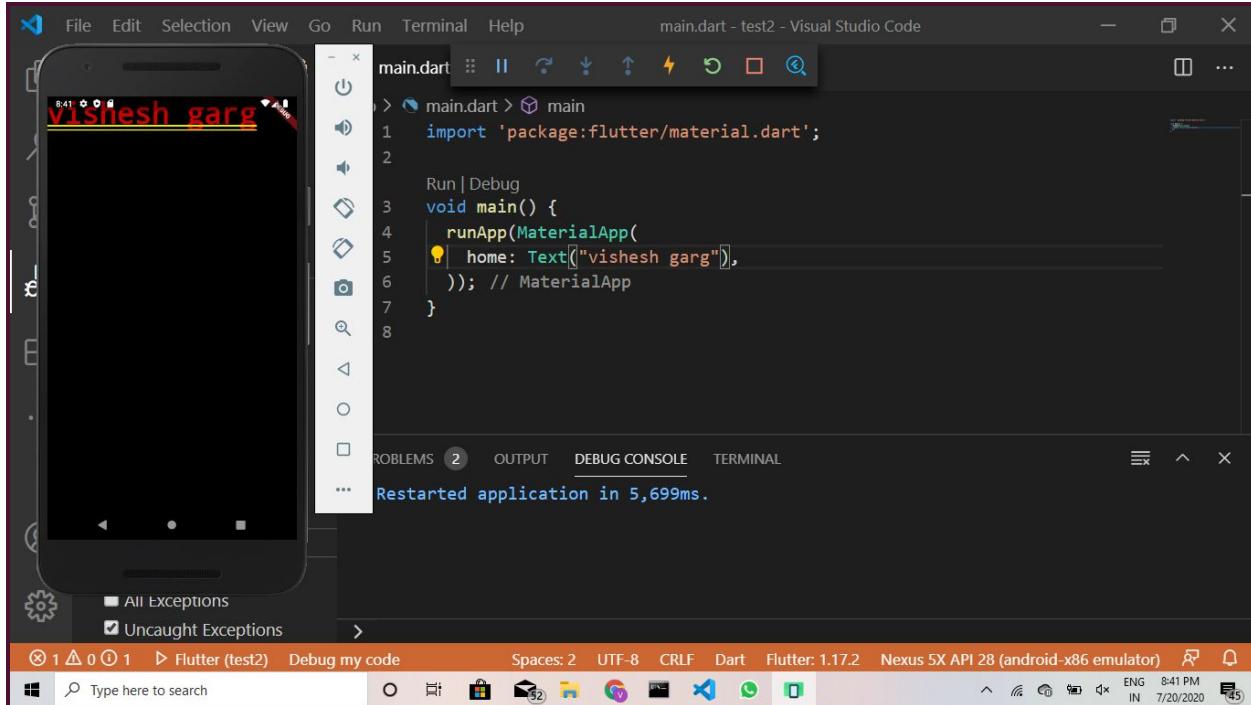
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
I/flutter (11433): #215 WidgetsBinding.attachRootWidget package:flutter/...
I/flutter (11433): #216 WidgetsBinding.scheduleAttachRootWidget package:flutter/...
t.<anonymous closure>
I/flutter (11433): (elided 11 frames from class _RawReceivePortImpl, class _Timer, da
rt:async, and dart:async-patch)
```

All Exceptions Uncaught Exceptions

Flutter (test2) Debug my code Spaces: 2 UTF-8 CRLF Dart Flutter: 1.17.2 Nexus 5X API 28 (android-x86 emulator) ENG 8:40 PM IN 7/20/2020 45

Type here to search



vishesh garg

File Edit Selection View Go Run Terminal Help main.dart - test2 - Visual Studio Code

main.dart

```
main.dart > main
1 import 'package:flutter/material.dart';
2
3 void main() {
4   runApp(MaterialApp(
5     home: Text("vishesh garg"),
6   )); // MaterialApp
7 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
Restarted application in 5,699ms.
```

All Exceptions Uncaught Exceptions

Flutter (test2) Debug my code Spaces: 2 UTF-8 CRLF Dart Flutter: 1.17.2 Nexus 5X API 28 (android-x86 emulator) ENG 8:41 PM IN 7/20/2020 45

Type here to search

```
import 'package:flutter/material.dart';

void main() {
  runApp(MaterialApp(
    home: Text("vishesh garg"),
  ));
}
```

}

