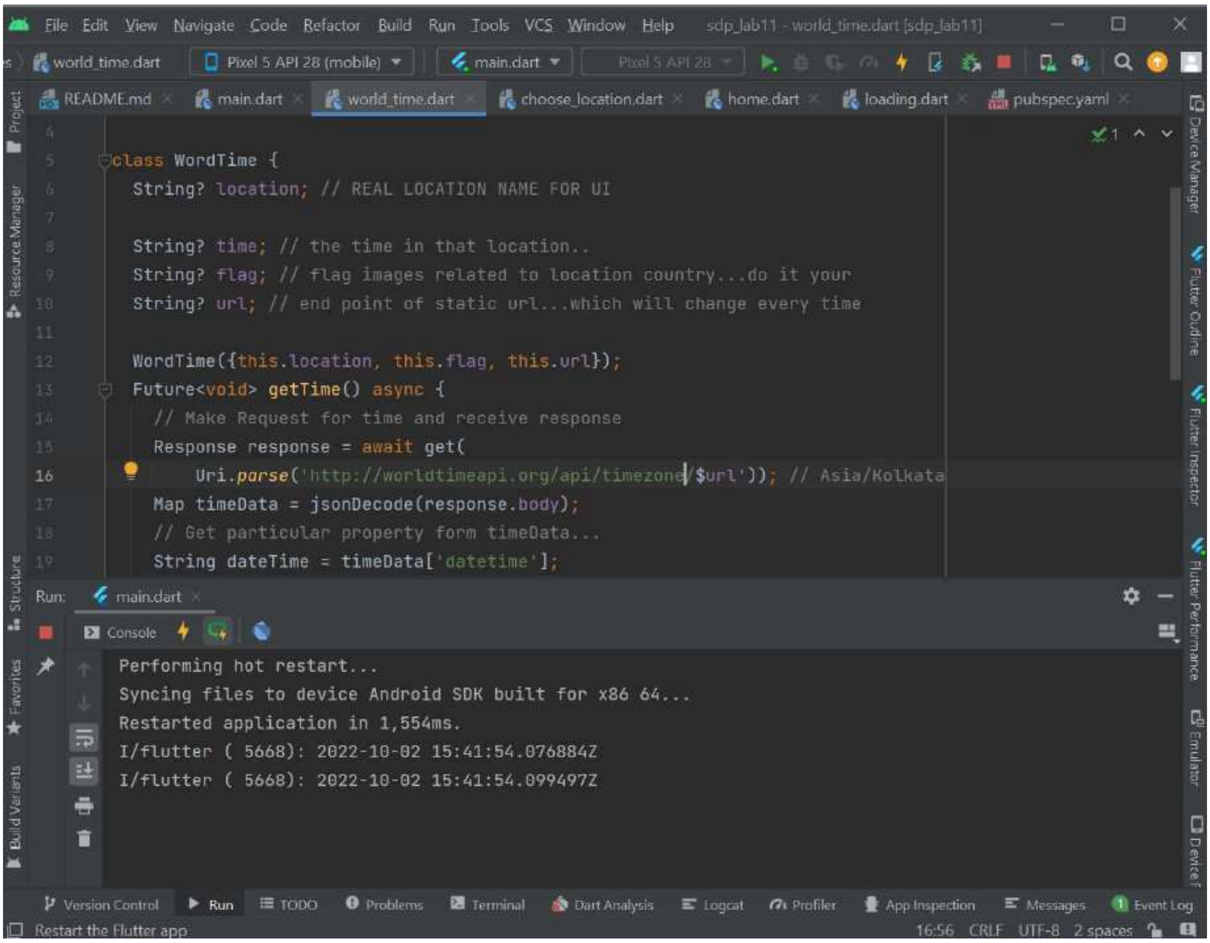
Name :- Khushal Vadher

Roll no.: CE151

SDP Lab 11

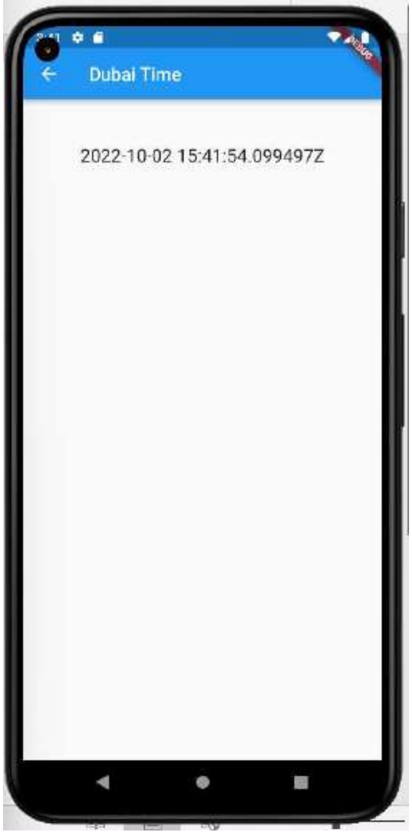
GitHub Link :-

https://github.com/khushal-vadher/SDP

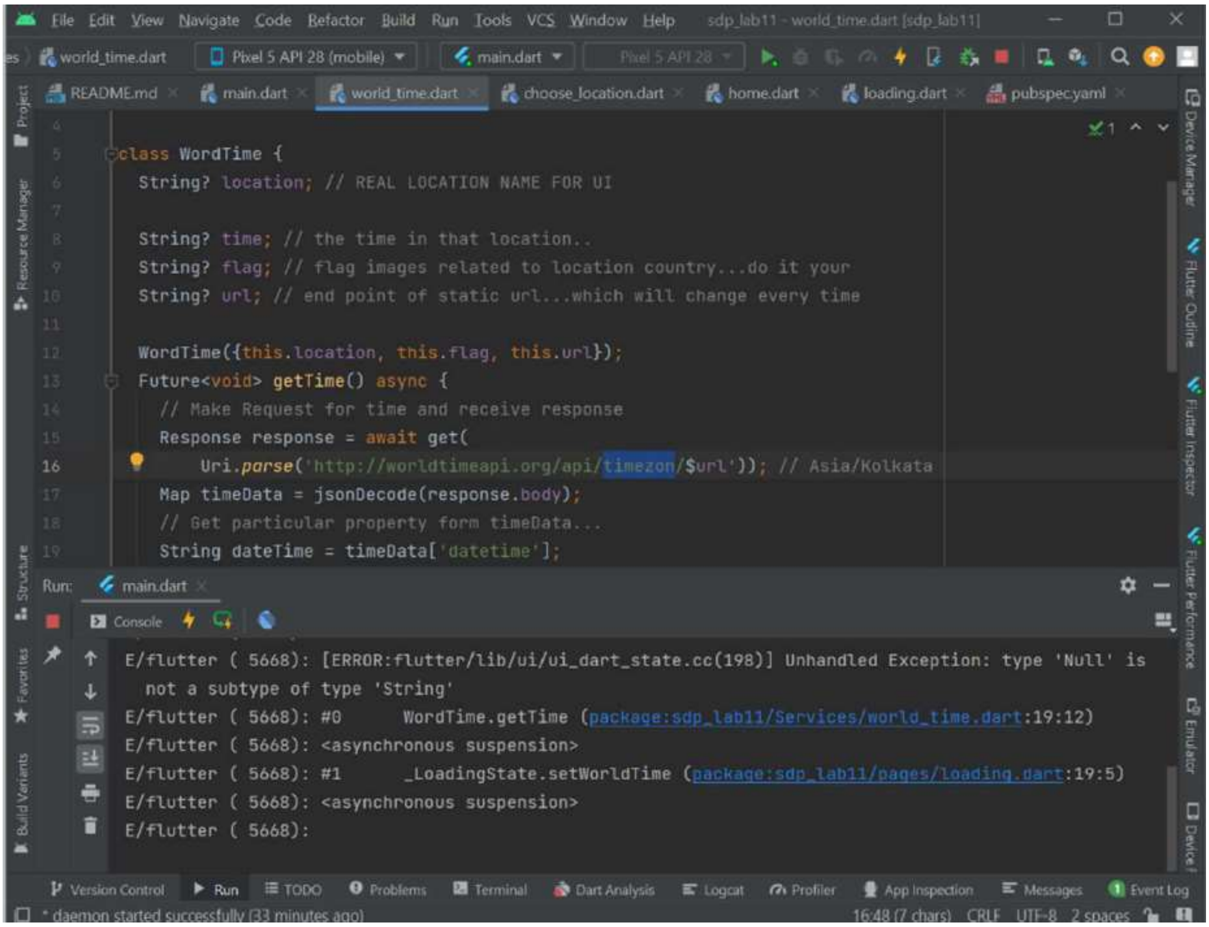


```
class WordTime {
  String? location; // REAL LOCATION NAME FOR UI

  String? time; // the time in that location..
  String? flag; // flag images related to location country...do it your
  String? url; // end point of static url...which will change every time

  WordTime({this.location, this.flag, this.url});
  Future<void> getTime() async {
    // Make Request for time and receive response
    Response response = await get(
        Uri.parse('http://worldtimeapi.org/api/timezone/$url')); // Asia/Kolkata
    Map timeData = jsonDecode(response.body);
    // Get particular property form timeData...
    String dateTime = timeData['datetime'];
```

```
Performing hot restart...
Syncing files to device Android SDK built for x86 64...
Restarted application in 1,554ms.
I/flutter ( 5668): 2022-10-02 15:41:54.076884Z
I/flutter ( 5668): 2022-10-02 15:41:54.099497Z
```

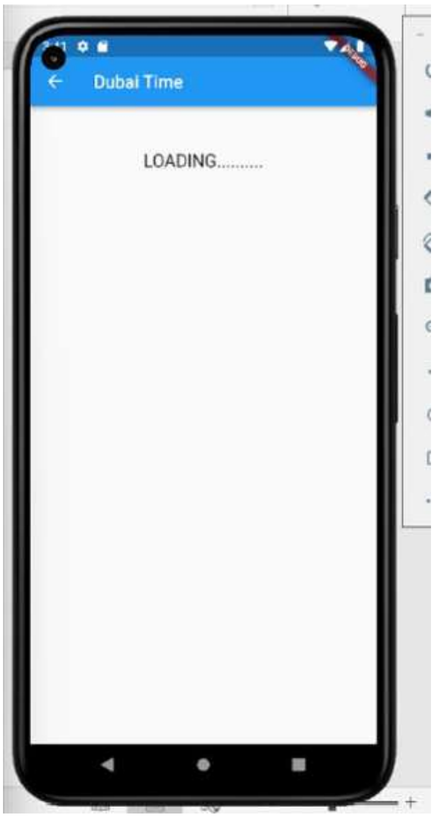


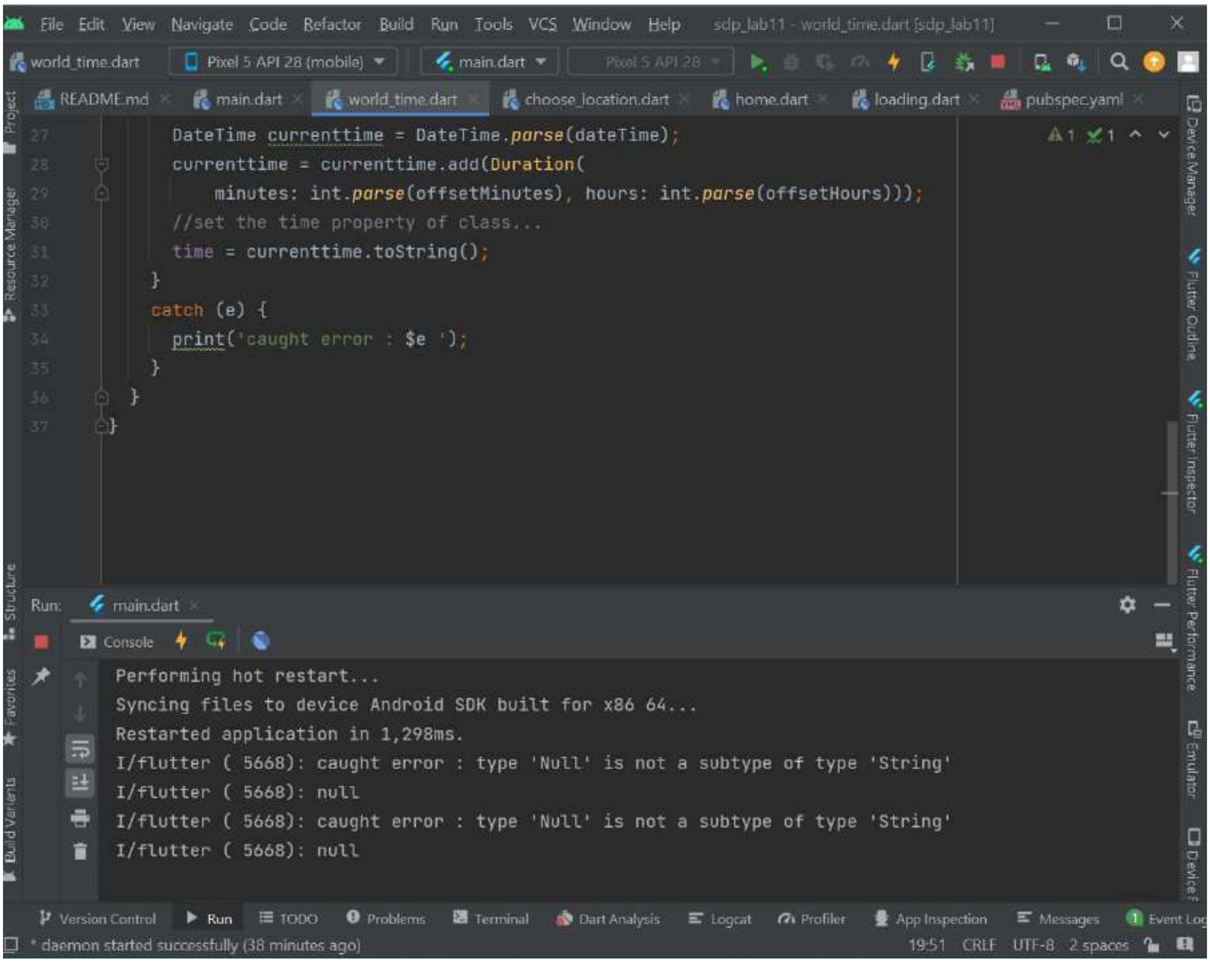
2022-10-02 15:41:54.099497Z



```dart

class WordTime {
  String? location; // REAL LOCATION NAME FOR UI

  String? time; // the time in that location..
  String? flag; // flag images related to location country...do it your
  String? url; // end point of static url...which will change every time

  WordTime({this.location, this.flag, this.url});
  Future<void> getTime() async {
    // Make Request for time and receive response
    Response response = await get(
        Uri.parse('http://worldtimeapi.org/api/timezon/$url')); // Asia/Kolkata
    Map timeData = jsonDecode(response.body);
    // Get particular property form timeData...
    String dateTime = timeData['datetime'];
```

```
E/flutter ( 5668): [ERROR:flutter/lib/ui/ui_dart_state.cc(198)] Unhandled Exception: type 'Null' is
  not a subtype of type 'String'
E/flutter ( 5668): #0      WordTime.getTime (package:sdp_lab11/Services/world_time.dart:19:12)
E/flutter ( 5668): <asynchronous suspension>
E/flutter ( 5668): #1      _LoadingState.setWorldTime (package:sdp_lab11/pages/loading.dart:19:5)
E/flutter ( 5668): <asynchronous suspension>
E/flutter ( 5668):
```

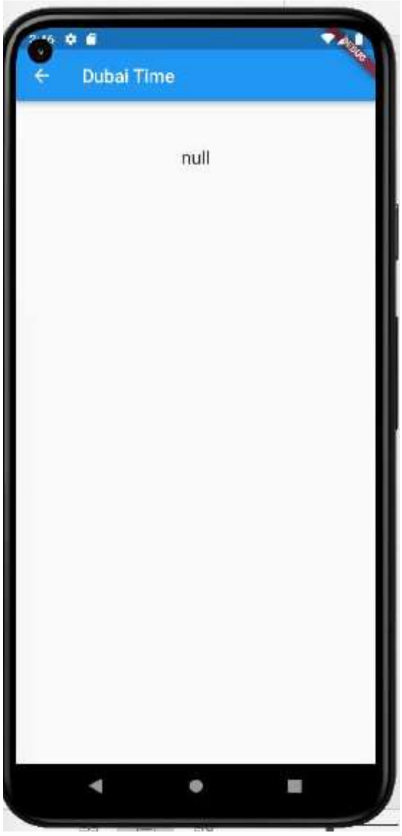




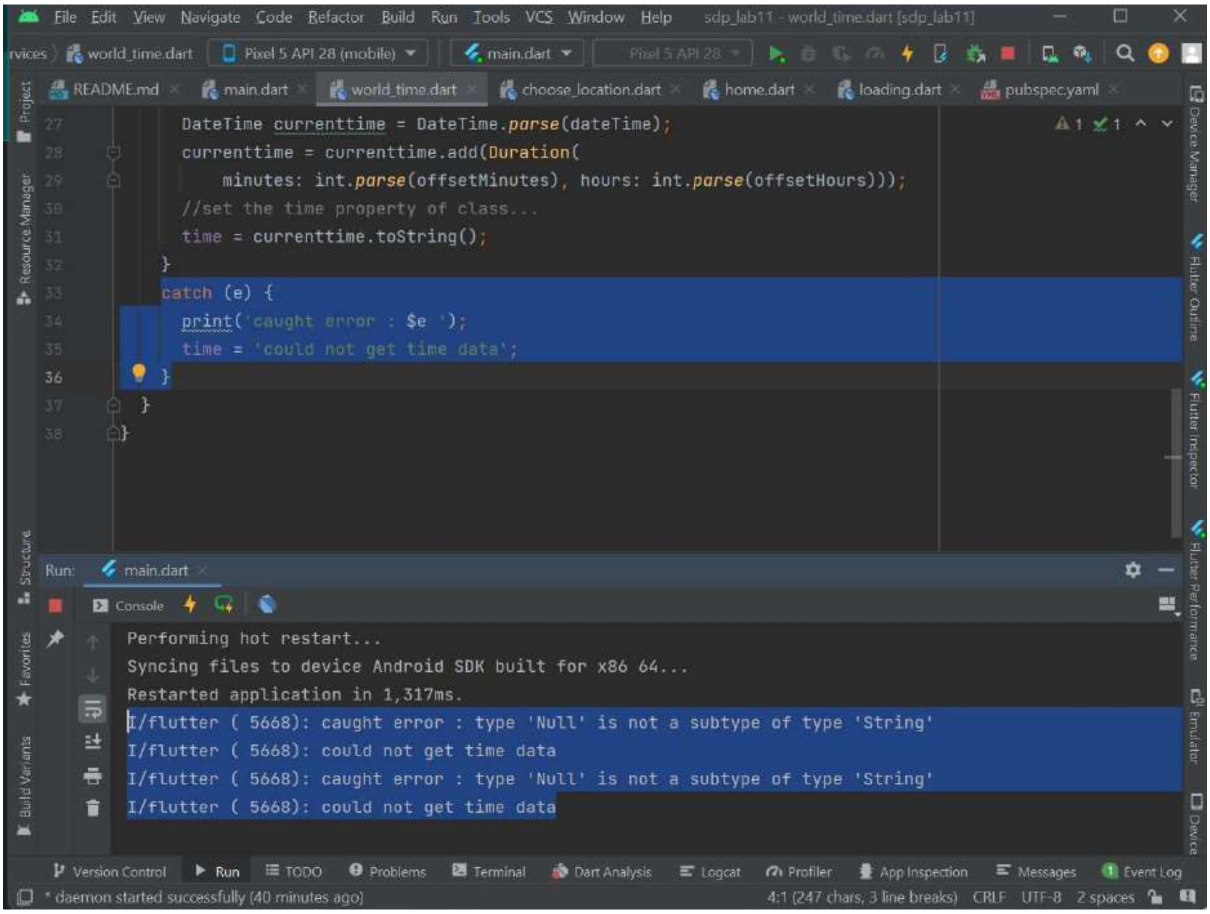
```
      DateTime currenttime = DateTime.parse(dateTime);
      currenttime = currenttime.add(Duration(
          minutes: int.parse(offsetMinutes), hours: int.parse(offsetHours)));
      //set the time property of class...
      time = currenttime.toString();
    }
    catch (e) {
      print('caught error : $e ');
    }
  }
}
```

```
Performing hot restart...
Syncing files to device Android SDK built for x86 64...
Restarted application in 1,298ms.
I/flutter ( 5668): caught error : type 'Null' is not a subtype of type 'String'
I/flutter ( 5668): null
I/flutter ( 5668): caught error : type 'Null' is not a subtype of type 'String'
I/flutter ( 5668): null
```

daemon started successfully (38 minutes ago)

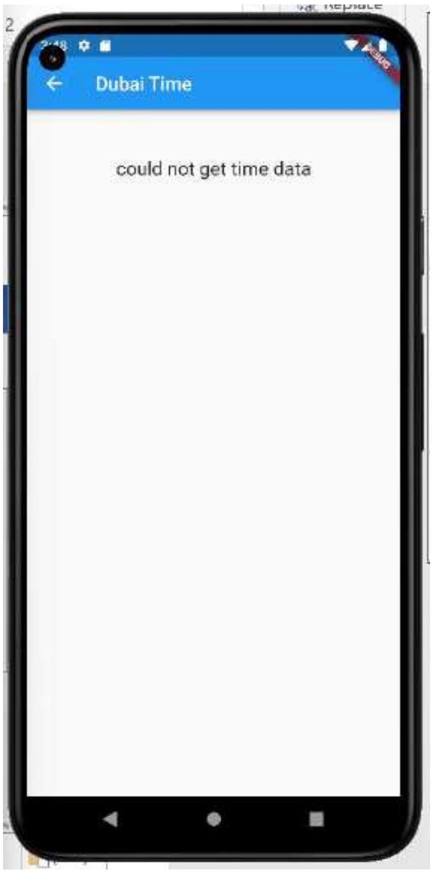

Dubai Time

null

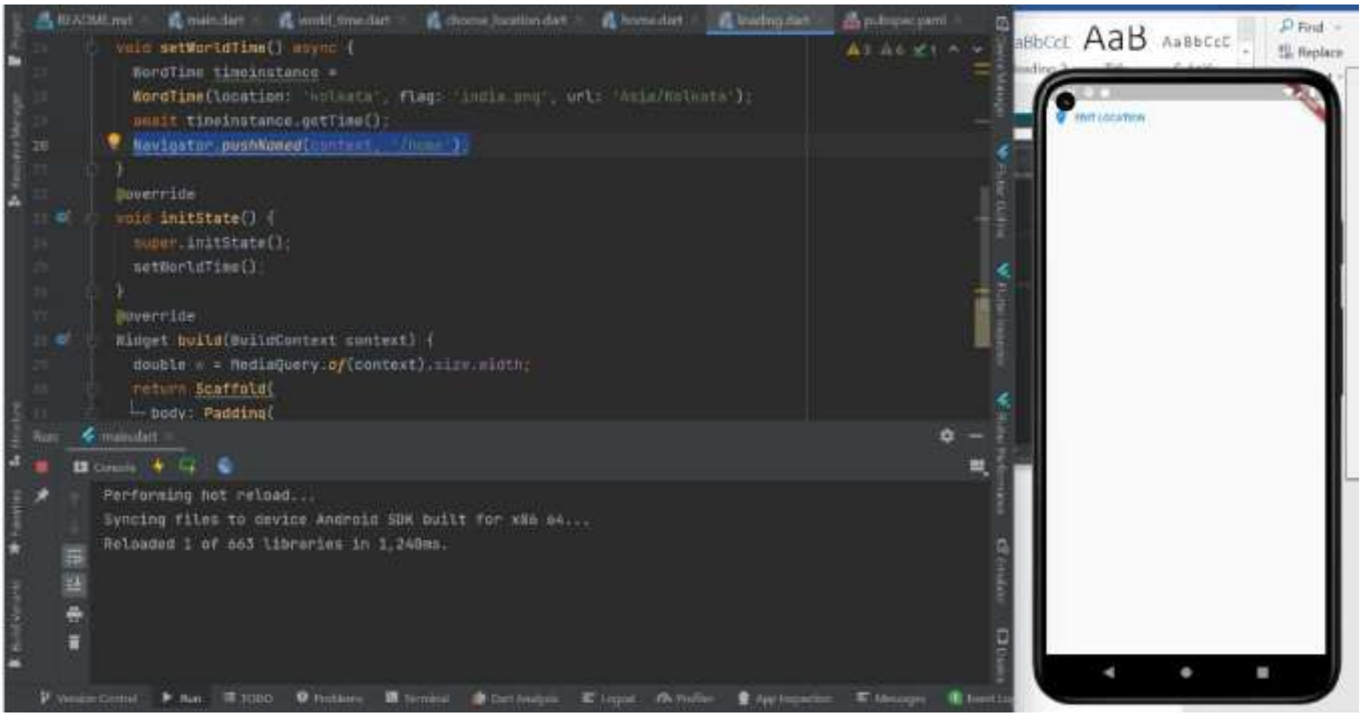


```
      DateTime currenttime = DateTime.parse(dateTime);
      currenttime = currenttime.add(Duration(
          minutes: int.parse(offsetMinutes), hours: int.parse(offsetHours)));
      //set the time property of class...
      time = currenttime.toString();
    }
    catch (e) {
      print('caught error : $e ');
      time = 'could not get time data';
    }
  }
}
```

```
Performing hot restart...
Syncing files to device Android SDK built for x86 64...
Restarted application in 1,317ms.
I/flutter ( 5668): caught error : type 'Null' is not a subtype of type 'String'
I/flutter ( 5668): could not get time data
I/flutter ( 5668): caught error : type 'Null' is not a subtype of type 'String'
I/flutter ( 5668): could not get time data
```

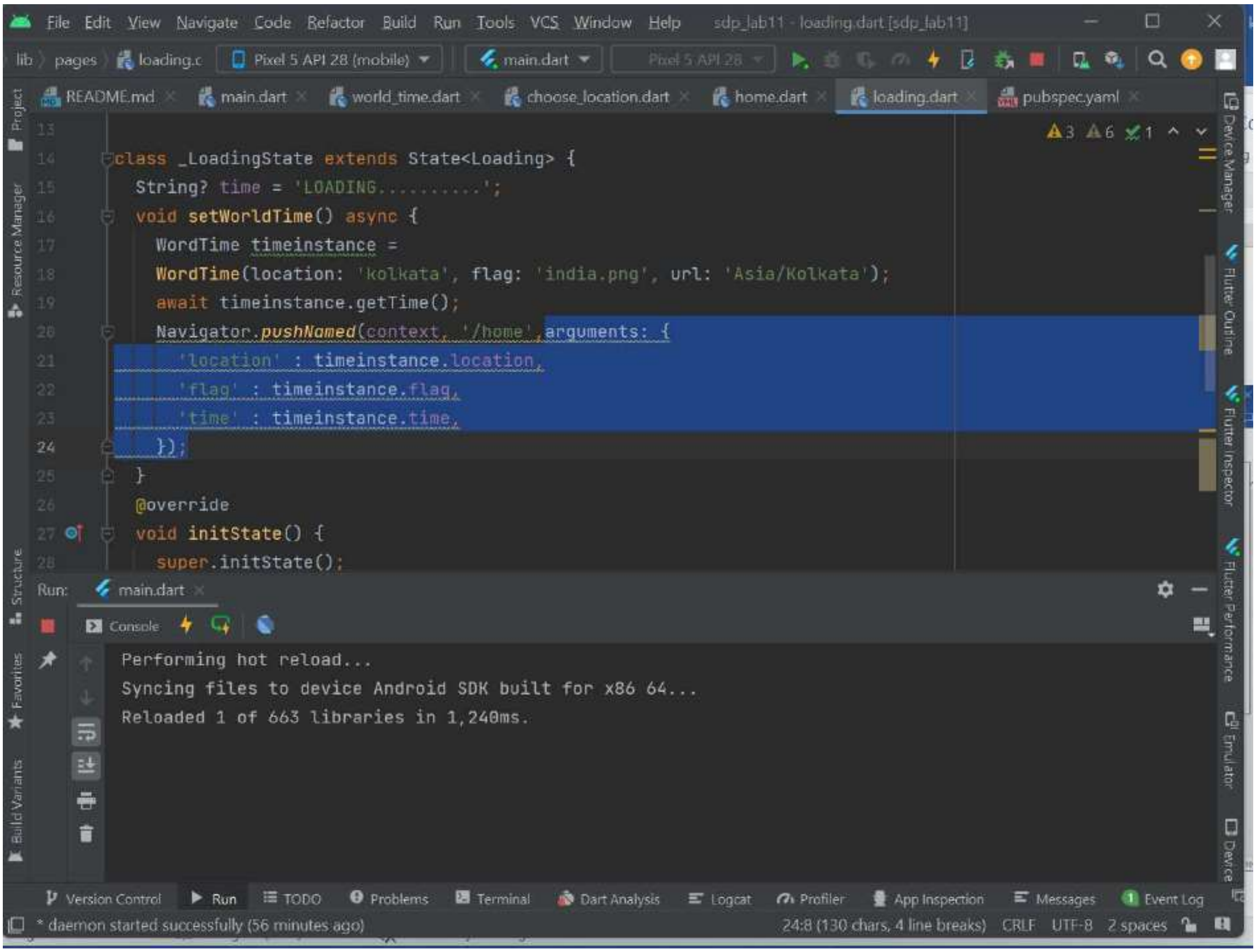

Dubai Time

could not get time data



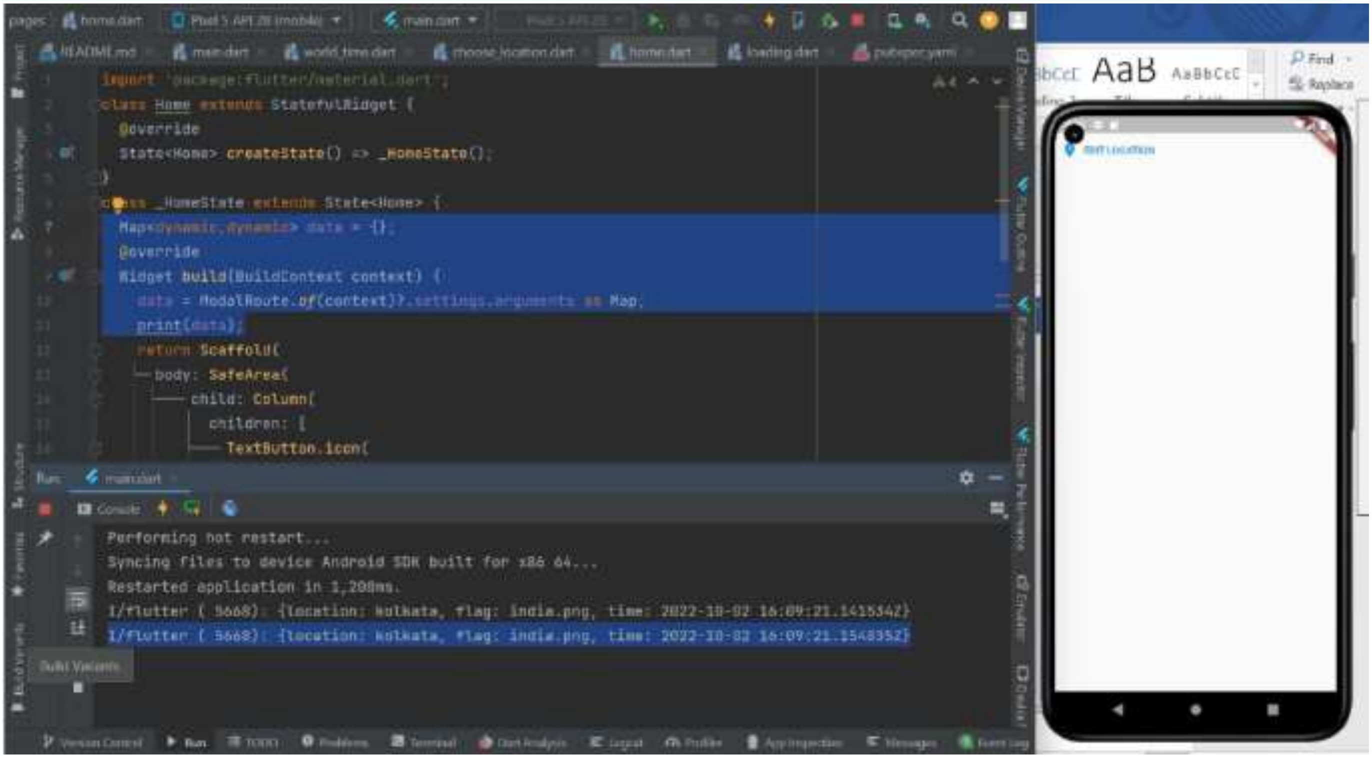
```
void setWorldTime() async {
  WordTime timeinstance =
  WordTime(location: 'Kolkata', flag: 'india.png', url: 'Asia/Kolkata');
  await timeinstance.getTime();
  Navigator.pushNamed(context, '/home');
}
@override
void initState() {
  super.initState();
  setWorldTime();
}
@override
Widget build(BuildContext context) {
  double w = MediaQuery.of(context).size.width;
  return Scaffold(
  └ body: Padding(
```

```
Performing hot reload...
Syncing files to device Android SDK built for x86 64...
Reloaded 1 of 663 libraries in 1,240ms.
```



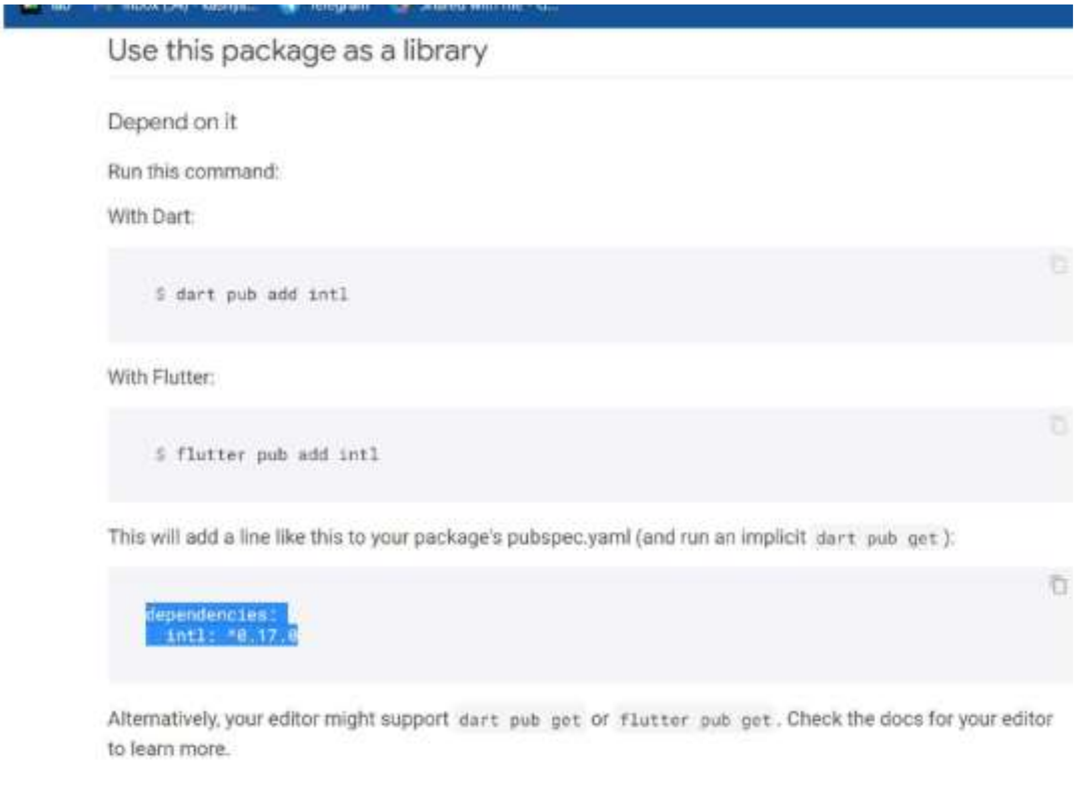
```
class _LoadingState extends State<Loading> {
  String? time = 'LOADING..........';
  void setWorldTime() async {
    WordTime timeinstance =
    WordTime(location: 'kolkata', flag: 'india.png', url: 'Asia/Kolkata');
    await timeinstance.getTime();
    Navigator.pushNamed(context, '/home',arguments: {
      'location' : timeinstance.location,
      'flag' : timeinstance.flag,
      'time' : timeinstance.time,
    });
  }
  @override
  void initState() {
    super.initState();
```

```
Performing hot reload...
Syncing files to device Android SDK built for x86 64...
Reloaded 1 of 663 libraries in 1,240ms.
```



```
import 'package:flutter/material.dart';
class Home extends StatefulWidget {
  @override
  State<Home> createState() => _HomeState();
}
class _HomeState extends State<Home> {
  Map<dynamic,dynamic> data = {};
  @override
  Widget build(BuildContext context) {
    data = ModalRoute.of(context)!.settings.arguments as Map;
    print(data);
    return Scaffold(
      body: SafeArea(
        child: Column(
          children: [
            TextButton.icon(
```

```
Performing hot restart...
Syncing files to device Android SDK built for x86 64...
Restarted application in 1,208ms.
I/flutter ( 5668): {location: kolkata, flag: india.png, time: 2022-10-02 16:09:21.141534Z}
I/flutter ( 5668): {location: kolkata, flag: india.png, time: 2022-10-02 16:09:21.154835Z}
```



Use this package as a library

Depend on it

Run this command:

With Dart:

```
$ dart pub add intl
```

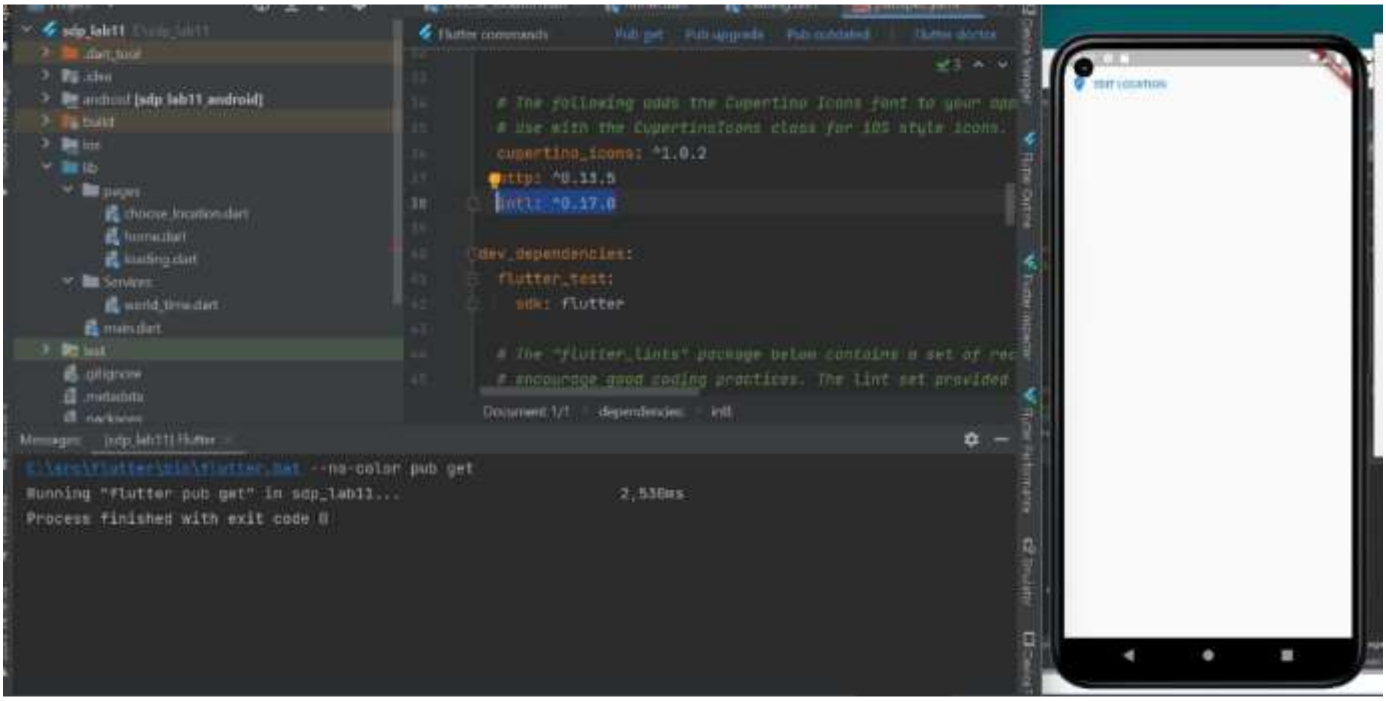
With Flutter:

```
$ flutter pub add intl
```

This will add a line like this to your package's pubspec.yaml (and run an implicit `dart pub get`):

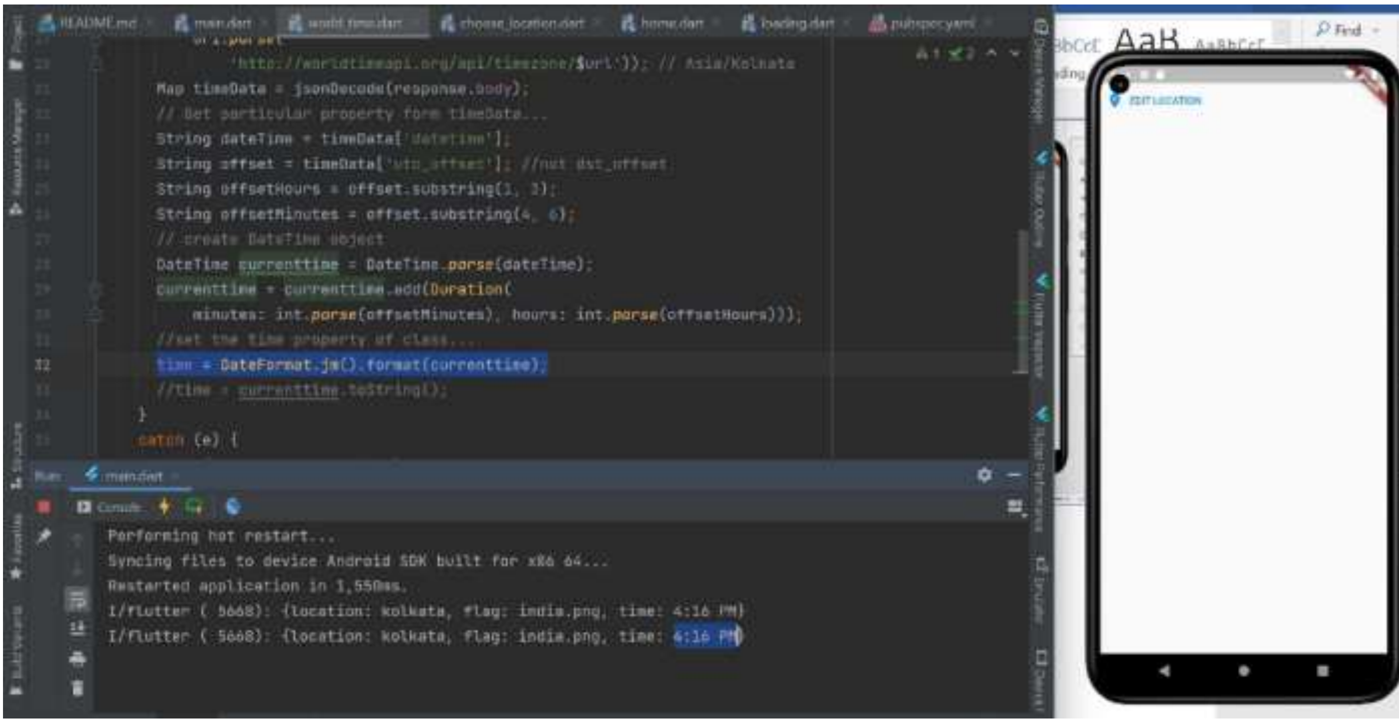
```
dependencies:
  intl: ^0.17.0
```

Alternatively, your editor might support `dart pub get` or `flutter pub get`. Check the docs for your editor to learn more.



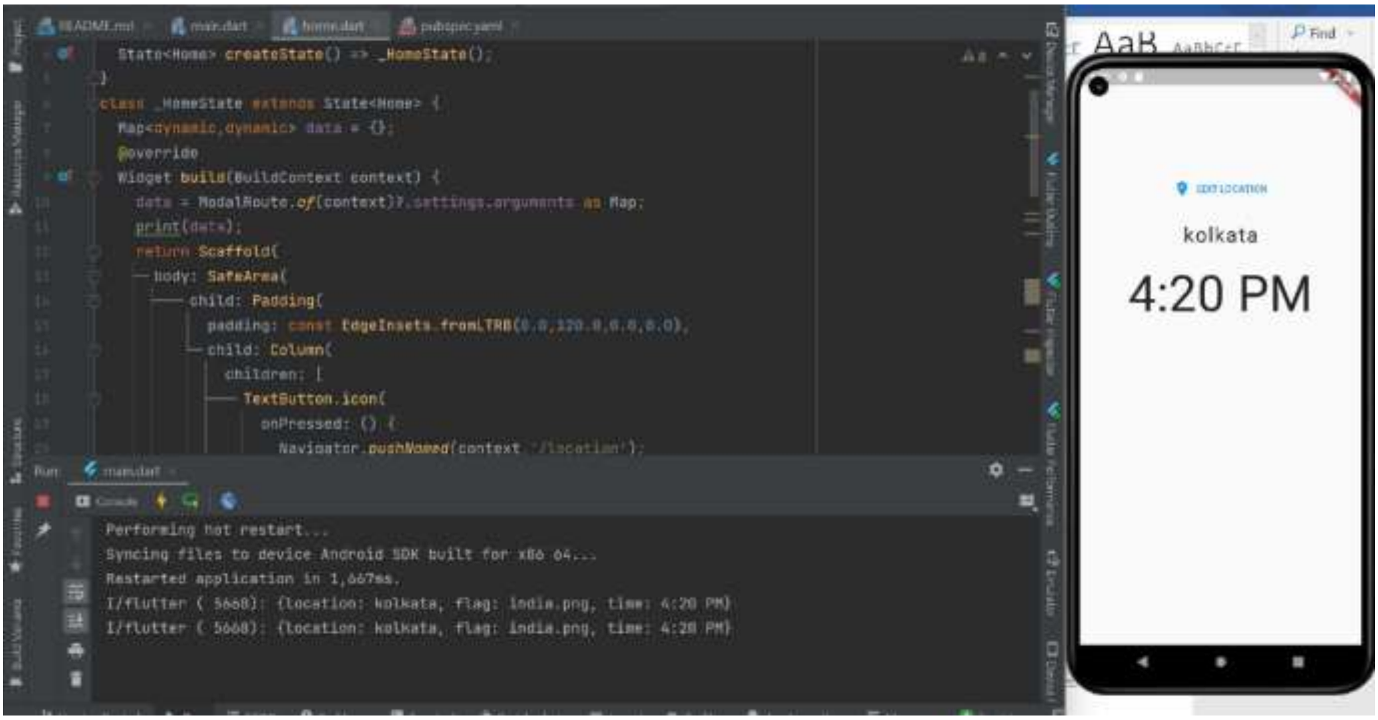
```
  # The following adds the Cupertino Icons font to your app
  # Use with the CupertinoIcons class for iOS style icons.
  cupertino_icons: ^1.0.2
  http: ^0.13.5
  intl: ^0.17.0

dev_dependencies:
  flutter_test:
    sdk: flutter

  # The "flutter_lints" package below contains a set of rec
  # encourage good coding practices. The lint set provided
```

```
C:\src\flutter\bin\flutter.bat --no-color pub get
Running "flutter pub get" in sdp_lab11...                    2,538ms
Process finished with exit code 0
```



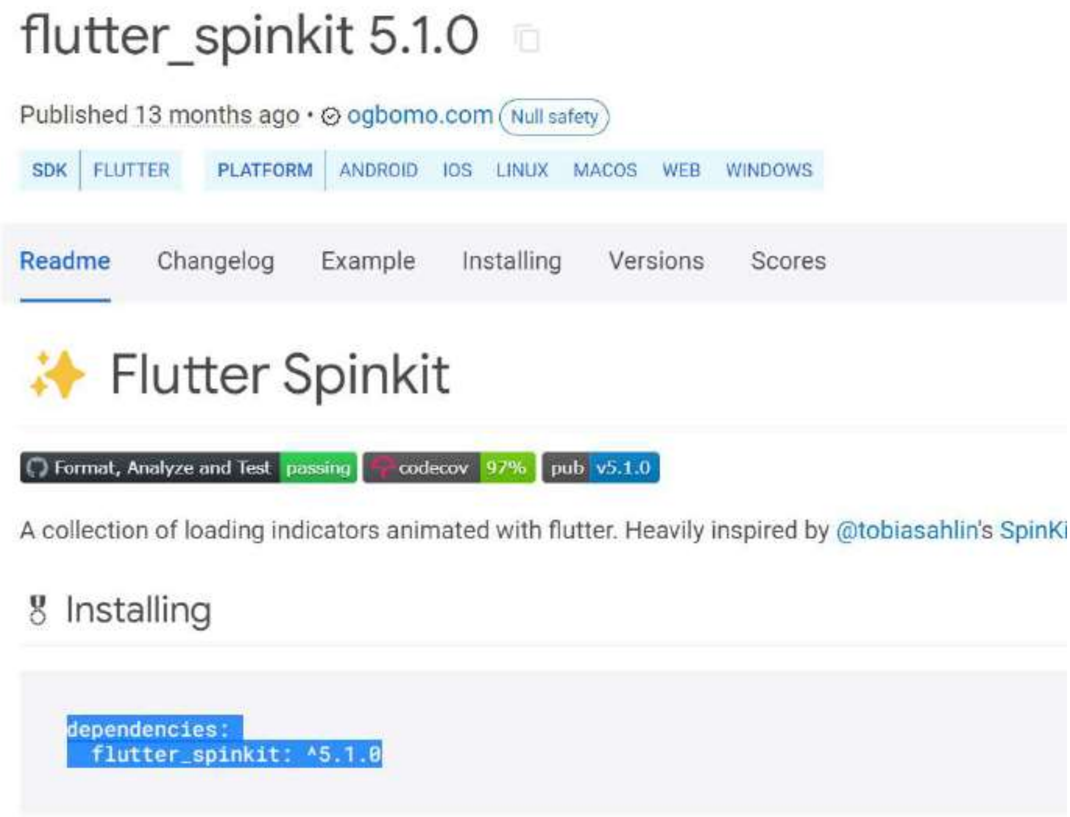
```
          'http://worldtimeapi.org/api/timezone/$url')); // Asia/Kolkata
      Map timeData = jsonDecode(response.body);
      // Get particular property form timeData...
      String dateTime = timeData['datetime'];
      String offset = timeData['utc_offset']; //not dst_offset
      String offsetHours = offset.substring(1, 3);
      String offsetMinutes = offset.substring(4, 6);
      // create DateTime object
      DateTime currenttime = DateTime.parse(dateTime);
      currenttime = currenttime.add(Duration(
          minutes: int.parse(offsetMinutes), hours: int.parse(offsetHours)));
      //set the time property of class...
      time = DateFormat.jm().format(currenttime);
      //time = currenttime.toString();
    }
    catch (e) {
```

```
Performing hot restart...
Syncing files to device Android SDK built for x86 64...
Restarted application in 1,550ms.
I/flutter ( 5668): {location: kolkata, flag: india.png, time: 4:16 PM}
I/flutter ( 5668): {location: kolkata, flag: india.png, time: 4:16 PM}
```



```
    State<Home> createState() => _HomeState();
}
class _HomeState extends State<Home> {
  Map<dynamic,dynamic> data = {};
  @override
  Widget build(BuildContext context) {
    data = ModalRoute.of(context)?.settings.arguments as Map;
    print(data);
    return Scaffold(
      body: SafeArea(
        child: Padding(
          padding: const EdgeInsets.fromLTRB(0.0,120.0,0.0,0.0),
          child: Column(
            children: [
              TextButton.icon(
                onPressed: () {
                  Navigator.pushNamed(context,'/location');
```

```
Performing hot restart...
Syncing files to device Android SDK built for x86 64...
Restarted application in 1,667ms.
I/flutter ( 5668): {location: kolkata, flag: india.png, time: 4:20 PM}
I/flutter ( 5668): {location: kolkata, flag: india.png, time: 4:20 PM}
```



flutter_spinkit 5.1.0

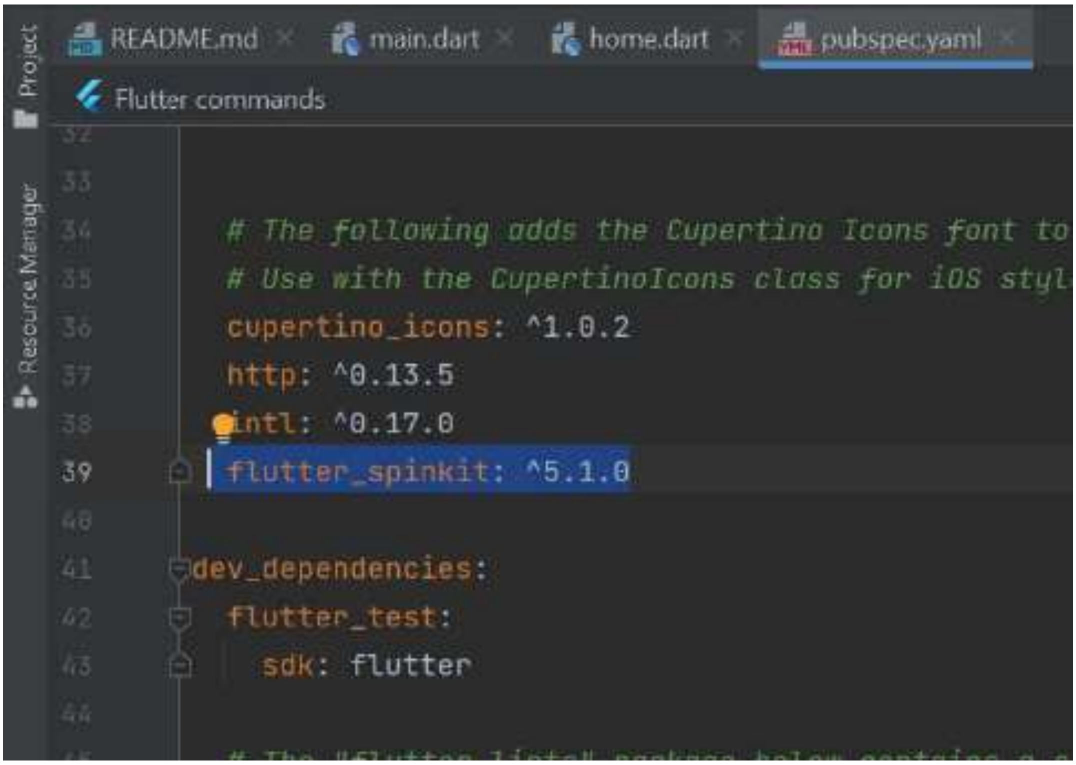
Published 13 months ago • ogbomo.com (Null safety)

✨ Flutter Spinkit

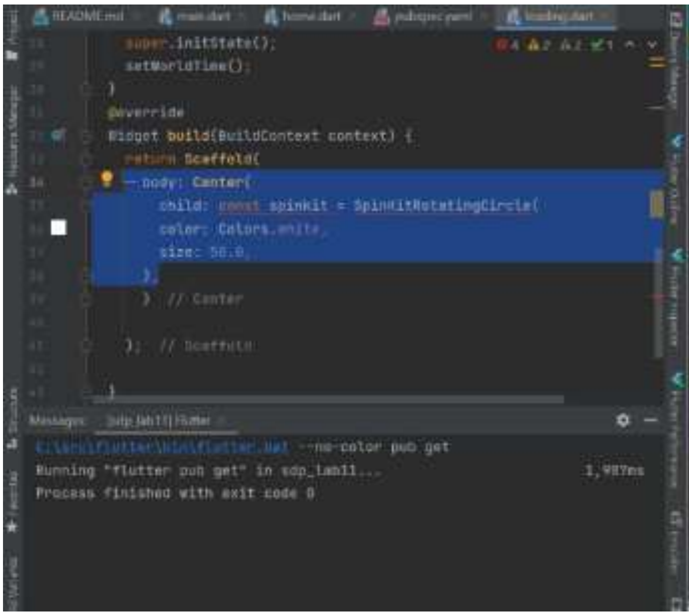
A collection of loading indicators animated with flutter. Heavily inspired by @tobiasahlin's SpinKi

🎖 Installing

```
dependencies:
  flutter_spinkit: ^5.1.0
```

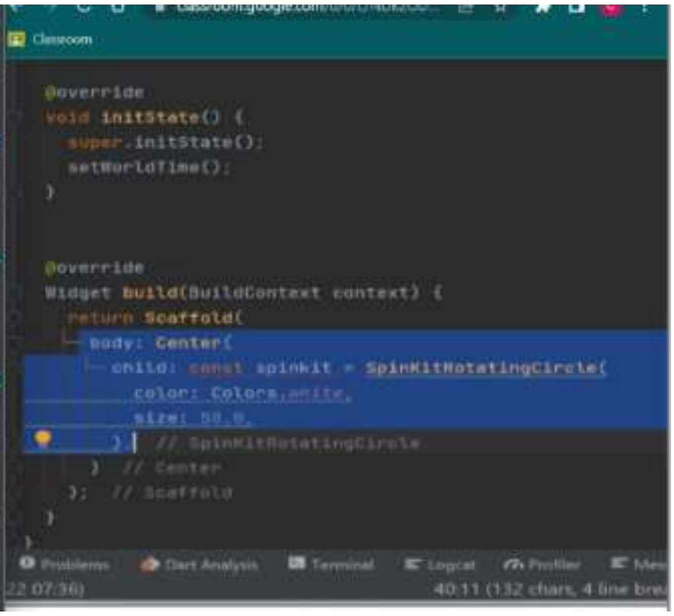


```

  # The following adds the Cupertino Icons font to
  # Use with the CupertinoIcons class for iOS styl
  cupertino_icons: ^1.0.2
  http: ^0.13.5
  intl: ^0.17.0
  flutter_spinkit: ^5.1.0

dev_dependencies:
  flutter_test:
    sdk: flutter

  # The "flutter_lints" package below contains a s
```

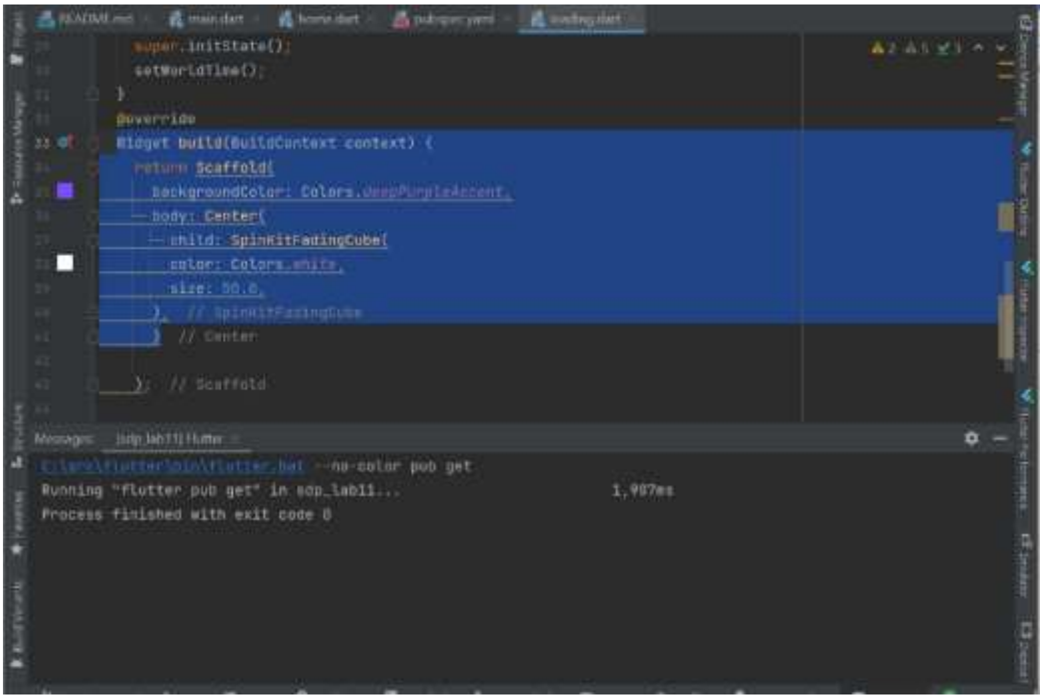


```
    super.initState();
    setWorldTime();
  }
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Center(
          child: const spinkit = SpinKitRotatingCircle(
          color: Colors.white,
          size: 50.0,
        ),
      ) // Center

    ); // Scaffold

  }
```

```
C:\src\flutter\bin\flutter.bat --no-color pub get
Running "flutter pub get" in sdp_lab11...                    1,987ms
Process finished with exit code 0
```

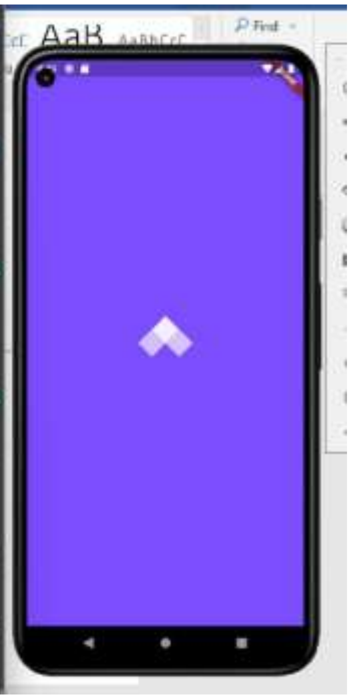


```
@override
void initState() {
  super.initState();
  setWorldTime();
}


@override
Widget build(BuildContext context) {
  return Scaffold(
    body: Center(
      child: const spinkit = SpinKitRotatingCircle(
        color: Colors.white,
        size: 50.0,
      ); // SpinKitRotatingCircle
    ) // Center
  ); // Scaffold
}
}
```



```
    super.initState();
    setWorldTime();
  }
  @override
  Widget build(BuildContext context) {
    return Scaffold(
      backgroundColor: Colors.deepPurpleAccent,
      body: Center(
        child: SpinKitFadingCube(
          color: Colors.white,
          size: 50.0,
        ), // SpinKitFadingCube
      ) // Center

    ); // Scaffold
```

```
C:\src\flutter\bin\flutter.bat --no-color pub get
Running "flutter pub get" in sdp_lab11...                    1,987ms
Process finished with exit code 0
```


AaB
AaBbCcC
Find