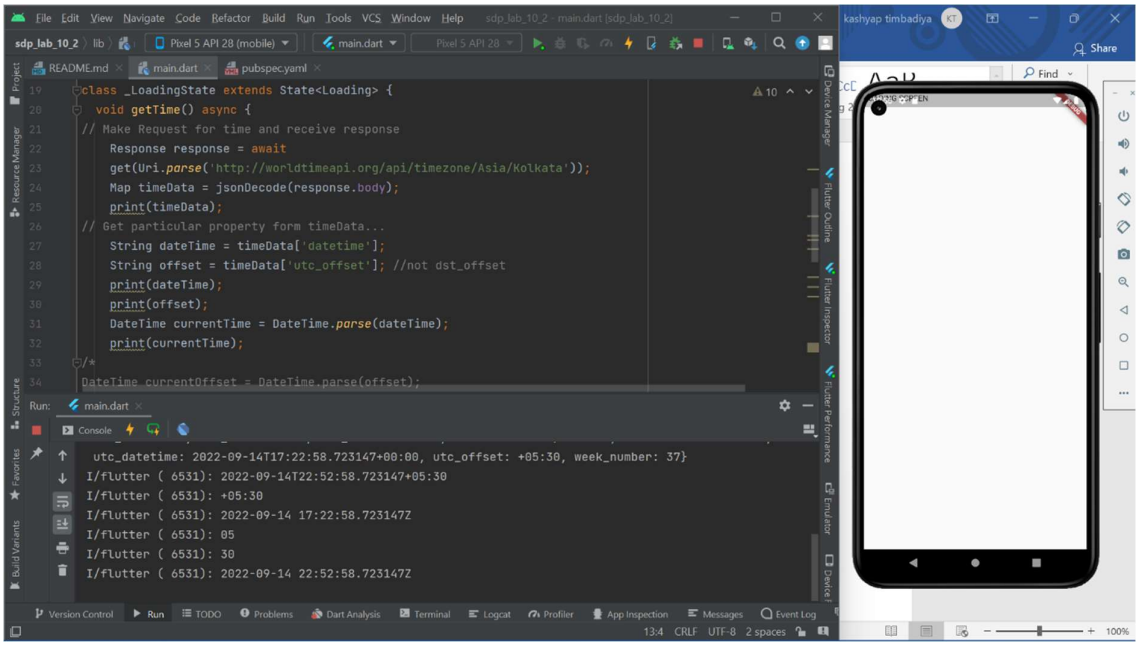
```dart
import 'package:flutter/material.dart';
import 'package:http/http.dart';
import 'dart:convert';
void main() => runApp(MaterialApp(
// home: Home(),
// instead of making home: property to make any page to initialize at
beginning...
// we can use following code ....
// initialRoute: '/home',
    initialRoute: '/',
    routes: {
      '/': (context) => Loading()
    }
));

class Loading extends StatefulWidget {
  @override
  State<Loading> createState() => _LoadingState();
}
class _LoadingState extends State<Loading> {
  void getTime() async {
// Make Request for time and receive response
    Response response = await
    get(Uri.parse('http://worldtimeapi.org/api/timezone/Asia/Kolkata'));
    Map timeData = jsonDecode(response.body);
    print(timeData);
// Get particular property form timeData...
    String dateTime = timeData['datetime'];
    String offset = timeData['utc_offset']; //not dst_offset
    print(dateTime);
    print(offset);
    DateTime currentTime = DateTime.parse(dateTime);
    print(currentTime);
/*
DateTime currentOffset = DateTime.parse(offset);
print(currentOffset);
*/
    String offsetHours = offset.substring(1,3);
    print(offsetHours);
    String offsetMinutes = offset.substring(4,6);
    print(offsetMinutes);
    currentTime = currentTime.add(Duration(minutes:
int.parse(offsetMinutes),hours:int.parse(offsetHours)));
    print(currentTime);
  }
  @override
  void initState() {
    super.initState();
    getTime();
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      body: Text('LOADING SCREEN'),
    );
  }
}
```



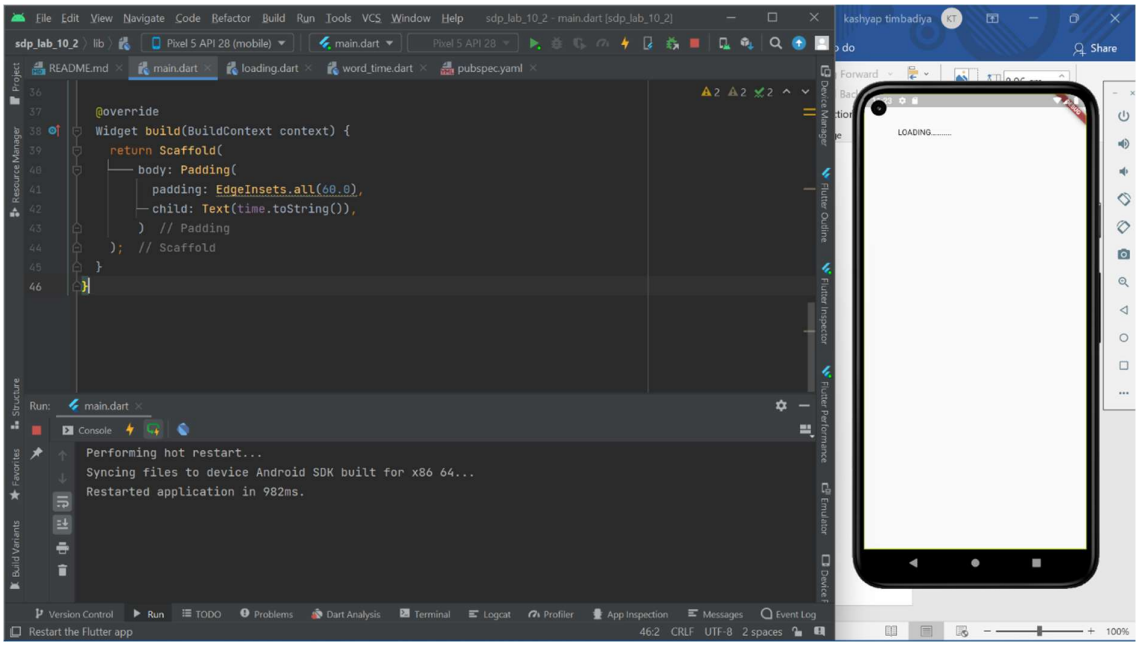

```dart
import 'package:flutter/material.dart';
import 'package:http/http.dart';
import 'dart:convert';
import 'package:sdp_lab_10_2/services/word_time.dart';
void main() => runApp(MaterialApp(
// home: Home(),
// instead of making home: property to make any page to initialize at
beginning...
// we can use following code ....
// initialRoute: '/home',
    initialRoute: '/',
    routes: {
      '/': (context) => Loading(),
    }
));

class Loading extends StatefulWidget {
  @override
  State<Loading> createState() => _LoadingState();
}
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();
// print(timeinstance.time);
    setState(() {
      time = timeinstance.time;
    });
  }
  @override
  void initState() {
    super.initState();
    setWorldTime();
  }

  @override
```

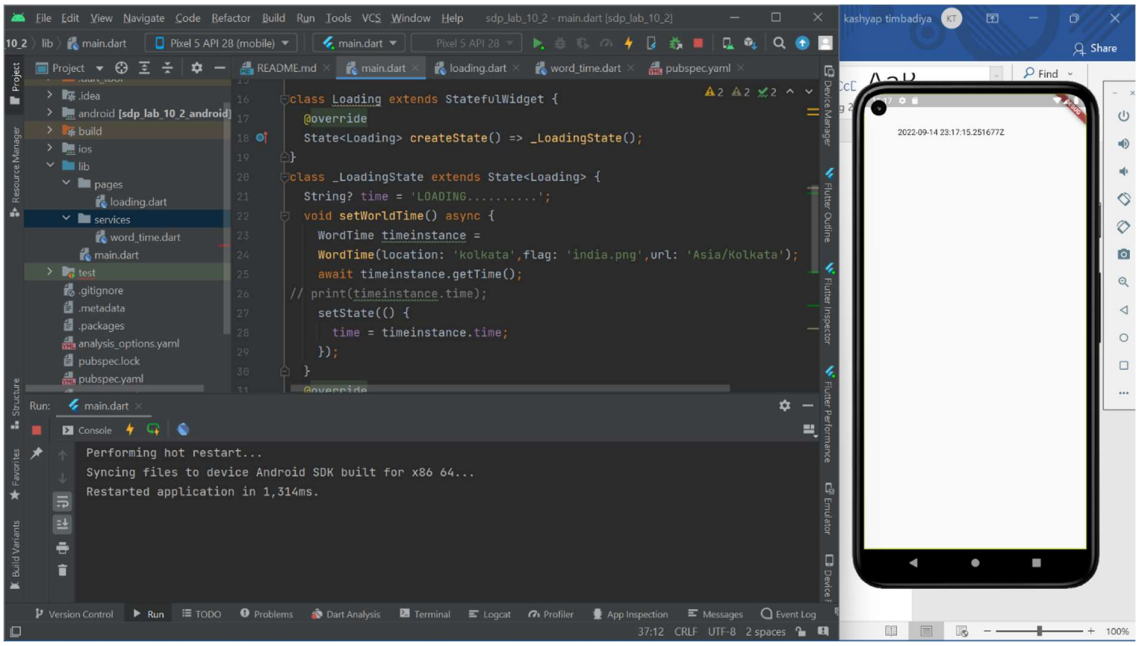
```
  Widget build(BuildContext context) {
    return Scaffold(
        body: Padding(
          padding: EdgeInsets.all(60.0),
          child: Text(time.toString()),
        )
    );
  }
}
```

```
import 'package:flutter/material.dart';
import 'package:sdp_lab_10_2/services/word_time.dart';

class Loading extends StatefulWidget {
  @override
  State<Loading> createState() => _LoadingState();
}
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();
// print(timeinstance.time);
    setState(() {
      time = timeinstance.time;
    });
  }
  @override
  void initState() {
    super.initState();
    setWorldTime();
  }

  @override
  Widget build(BuildContext context) {
    return Scaffold(
        body: Padding(
          padding: EdgeInsets.all(60.0),
          child: Text(time.toString()),
        )
    );
  }
}
```

```
import 'package:http/http.dart';
import 'dart:convert';
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
self
  String? url; // end point of static url...which will change every time
when location will change
  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'];
    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 = currenttime.toString();
  }

}
```




File Edit View Navigate Code Refactor Build Run Tools VCS Window Help
sdp_lab_10_2 - main.dart [sdp_lab_10_2]
Project
README.md
main.dart
loading.dart
word_time.dart
pubspec.yaml
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services
word_time.dart
main.dart
test
.gitignore
.metadata
.packages
analysis_options.yaml
pubspec.lock
pubspec.yaml
class Loading extends StatefulWidget {
@override
State<Loading> createState() => _LoadingState();
}
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();
// print(timeinstance.time);
setState(() {
time = timeinstance.time;
});
}
Run: main.dart
Console
Performing hot restart...
Syncing files to device Android SDK built for x86 64...
Restarted application in 1,314ms.
Version Control
Run
TODO
Problems
Dart Analysis
Terminal
Logcat
Profiler
App Inspection
Messages
Event Log
37:12 CRLF UTF-8 2 spaces
kashyap timbadiya
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100%