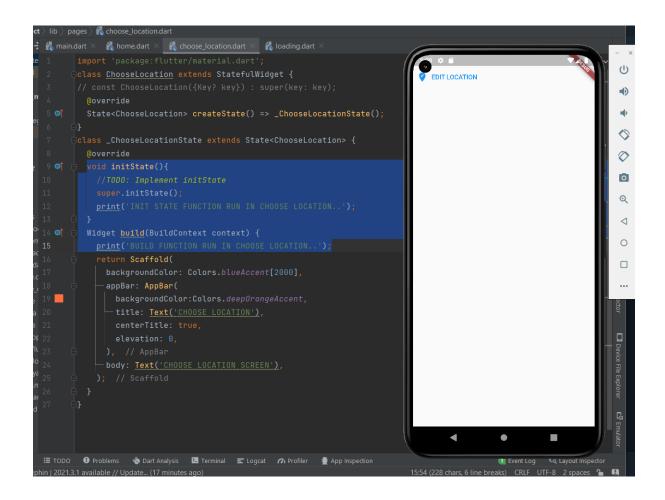
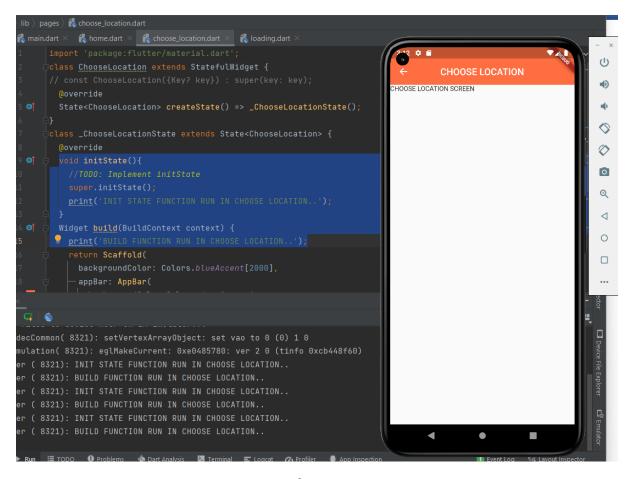
Name: Chaudhari DhirenKumar Anilbhai

Roll No: CE025

Sub: SDP_Lab10_1





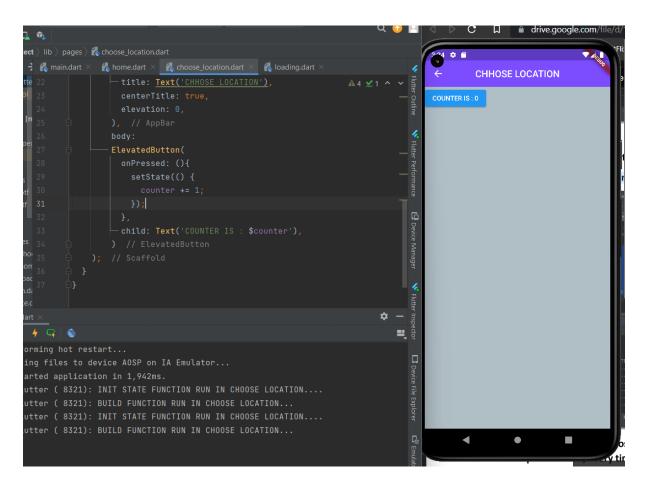
Now test for

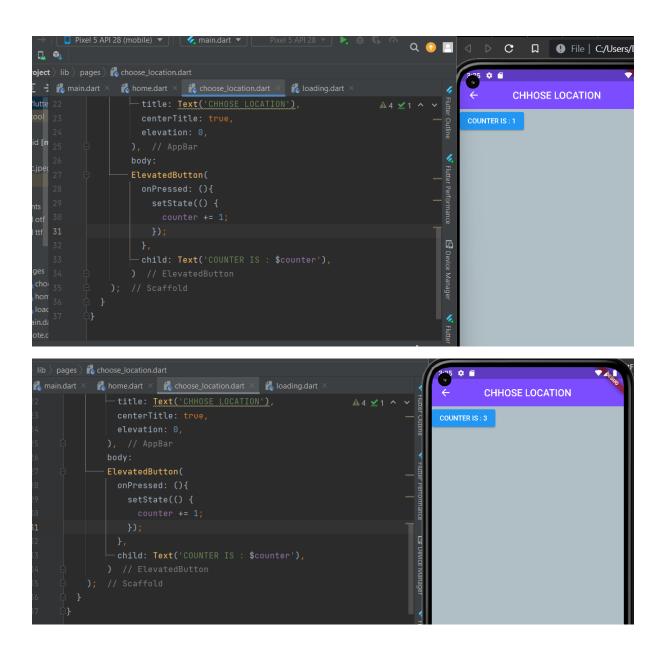
After setState() check the changes

Before initState() write code...int counter = 0; and then make changes in body: property...

```
import 'package:flutter/material.dart';
class ChooseLocation extends StatefulWidget {
// const ChooseLocation({Key? key}) : super(key: key);
  @override
  State<ChooseLocation> createState() => _ChooseLocationState();
}
class _ChooseLocationState extends State<ChooseLocation> {
  int counter = 0;
  @override
  void initState() {
    super.initState();
    print('INIT STATE FUNCTION RUN IN CHOOSE LOCATION...');
  }
  @override
Widget build(BuildContext context) {
    print('BUILD FUNCTION RUN IN CHOOSE LOCATION...');
    return Scaffold(
        backgroundColor: Colors.blueGrey[200],
        appBar: AppBar(
```

```
backgroundColor: Colors.deepPurpleAccent,
    title: Text('CHHOSE LOCATION'),
    centerTitle: true,
    elevation: 0,
),
body:
ElevatedButton(
    onPressed: (){
        setState(() {
            counter += 1;
            });
        },
        child: Text('COUNTER IS : $counter'),
        )
);
}
```

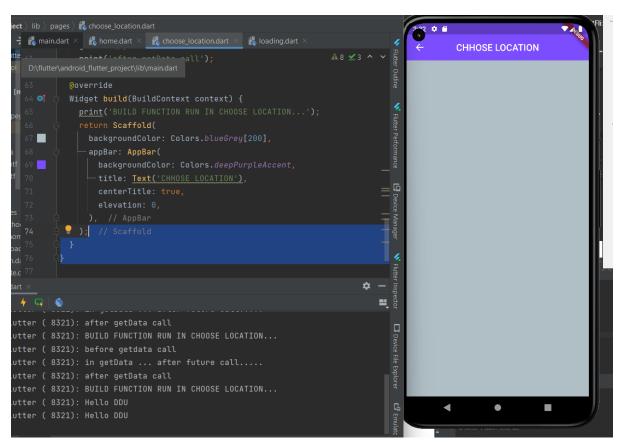




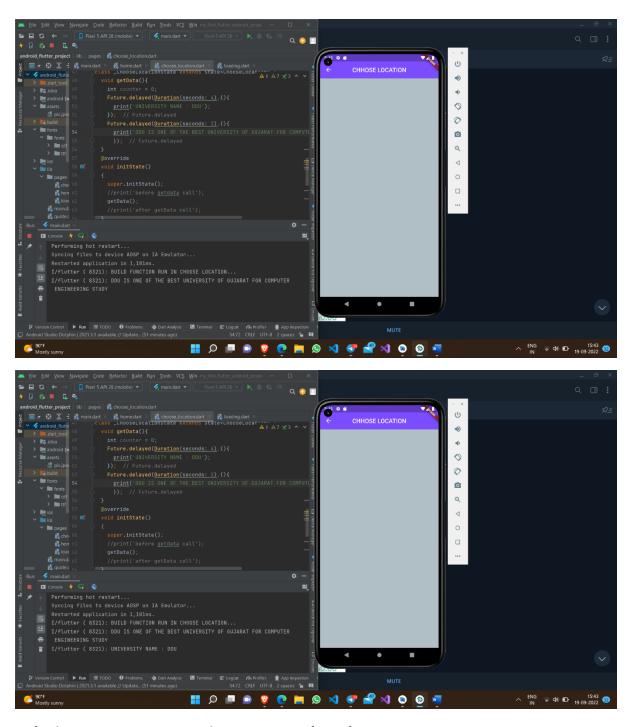
Code test 2 – Async in flutter

```
*/ // TEST 2
import 'package:flutter/material.dart';
class ChooseLocation extends StatefulWidget {
    // const ChooseLocation({Key? key}) : super(key: key);
    @override
    State<ChooseLocation> createState() => _ChooseLocationState();
}
class _ChooseLocationState extends State<ChooseLocation> {
    void getData() {
        Future.delayed(Duration(seconds: 4),() {
            print('Hello DDU');
        });
        print('in getData ... after future call....');
    }
    int counter = 0;
    @override
    void initState()
```

```
{
    super.initState();
    print('before getdata call');
    getData();
    print('after getData call');
}
Goverride
Widget build(BuildContext context) {
    print('BUILD FUNCTION RUN IN CHOOSE LOCATION...');
    return Scaffold(
        backgroundColor: Colors.blueGrey[200],
        appBar: AppBar(
          backgroundColor: Colors.deepPurpleAccent,
          title: Text('CHHOSE LOCATION'),
          centerTitle: true,
          elevation: 0,
        ),
     );
}
```



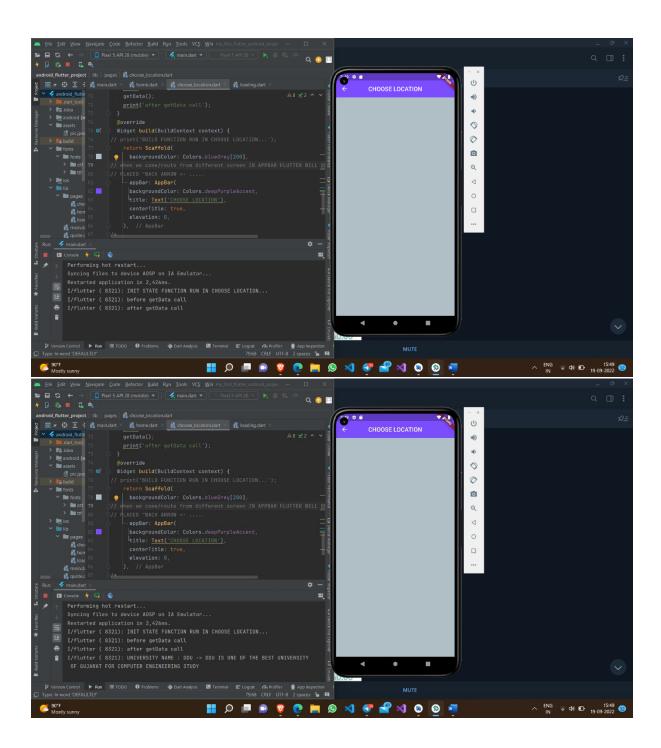
- Above code teach us that code not blocked due to async call... But some times we need to wait for response of request...
- Some time new request depends on the data of first request... So in such situation second request must have to wait until the first one not completed...



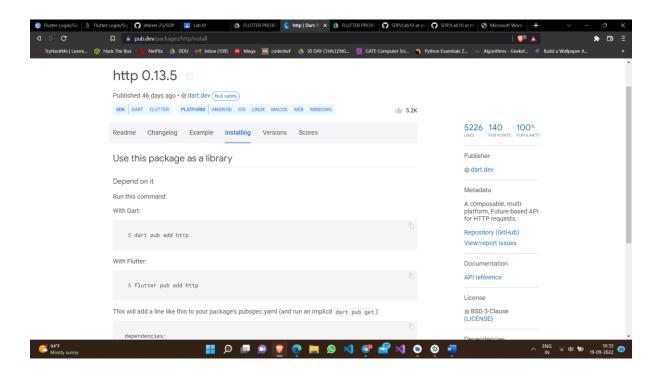
Solution: use Async, Await, Future, Delayed:

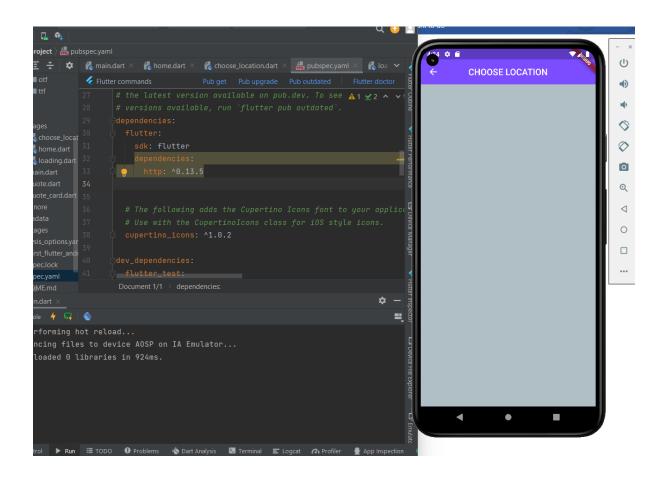
```
import 'package:flutter/material.dart';
class ChooseLocation extends StatefulWidget {
// const ChooseLocation({Key? key}) : super(key: key);
  @override
  State<ChooseLocation> createState() => _ChooseLocationState();
}
class _ChooseLocationState extends State<ChooseLocation> {
  int counter = 0;
  void getData() async {
  // below code is similar like to
  // simulate network request for a username
  // its just learning how flutter/dart response to Async
```

```
String username = await Future.delayed(Duration(seconds: 4), () {
String bio = await Future.delayed(Duration(seconds: 2), () {
getData();
  appBar: AppBar(
```



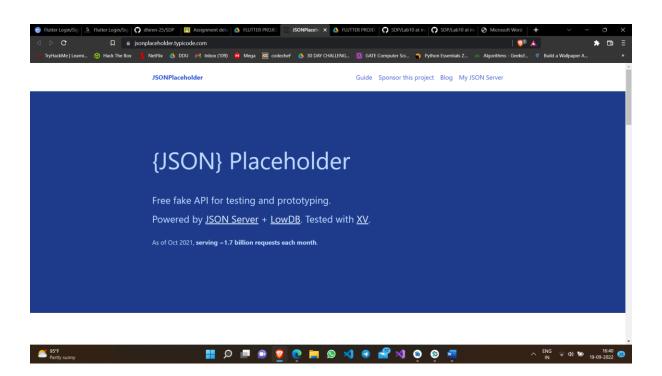
Code Test 3: packages and API calling basic

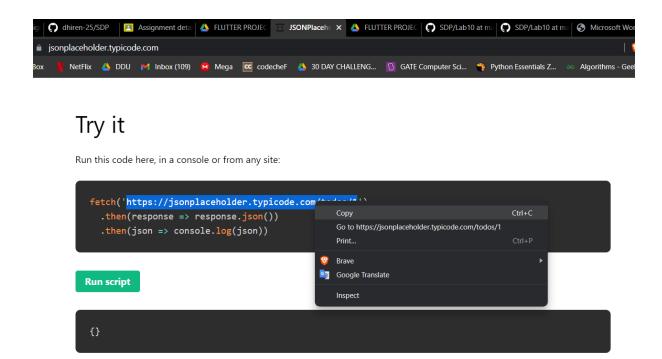




Now cut the code of getData() and initState() from 'choose_location.dart' and paste in "loding.dart's" 'state' class and modify as shown in below code...

```
👩 loading.dart
        the choose_location.dart ×
                                          🚠 pubspec.yaml >
                                                        loading.dart
    void getData() async {
      String username = await Future.delayed(Duration(seconds: 4), () {
      String bio = await Future.delayed(Duration(seconds: 2), () {
      print('$username -> $bio');
    @override
    void initState() {
   / TODO: implement initState
      super.initState();
      print('INIT STATE FUNCTION RUN IN CHOOSE LOCATION...');
      print('before getData call');
      getData();
      print('after getData call');
```





Main.dart:

home.dart:

```
import 'package:flutter/material.dart';
class Home extends StatefulWidget {
   @override
   State<Home> createState() => _HomeState();
}
class _HomeState extends State<Home> {
   @override
```

choose_location.dart :

} }

loading.dart:

```
State<Loading> createState() => LoadingState();
void getData() async {
  get(Uri.parse('https://jsonplaceholder.typicode.com/albums/1'));
getData();
  return Scaffold(
```

github link: https://github.com/dhiren-25/SDP.git