

ADVANCE PYTHON PROGRAMMING (ETH)

WEBSITE- FLUTTER

G REENA SRI

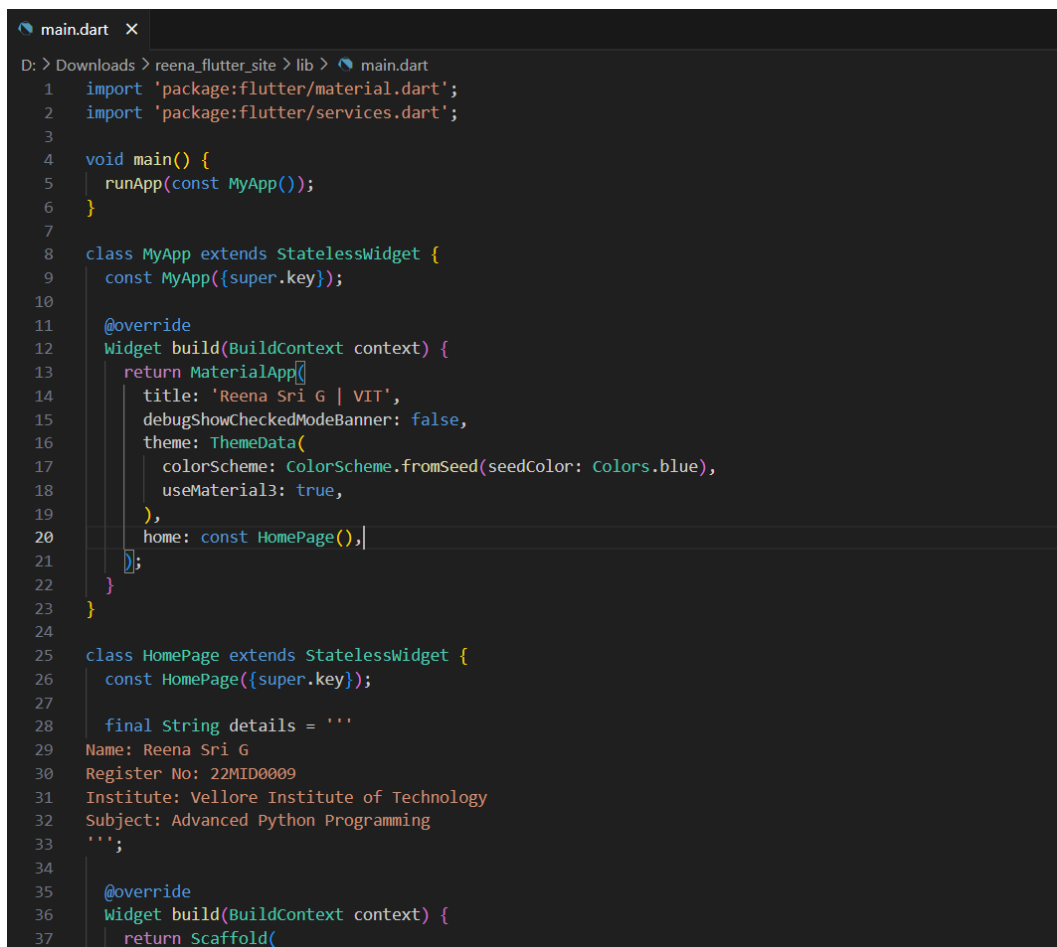
22MID0009

05-11-2025

STEPS:

- Install flutter
- Open the folder in terminal
- Flutter devices
- Flutter run -d chrome

SCREENSHOTS:



```
main.dart x
D: > Downloads > reena_flutter_site > lib > main.dart
1  import 'package:flutter/material.dart';
2  import 'package:flutter/services.dart';
3
4  void main() {
5    runApp(const MyApp());
6  }
7
8  class MyApp extends StatelessWidget {
9    const MyApp({super.key});
10
11    @override
12    Widget build(BuildContext context) {
13      return MaterialApp(
14        title: 'Reena Sri G | VIT',
15        debugShowCheckedModeBanner: false,
16        theme: ThemeData(
17          colorScheme: ColorScheme.fromSeed(seedColor: Colors.blue),
18          useMaterial3: true,
19        ),
20        home: const HomePage(),
21      );
22    }
23  }
24
25  class HomePage extends StatelessWidget {
26    const HomePage({super.key});
27
28    final String details = '''
29    Name: Reena Sri G
30    Register No: 22MID0009
31    Institute: Vellore Institute of Technology
32    Subject: Advanced Python Programming
33    ''';
34
35    @override
36    Widget build(BuildContext context) {
37      return Scaffold(
```

```

35 @override
36 Widget build(BuildContext context) {
37   return Scaffold(
38     backgroundColor: Colors.white,
39     body: Center(
40       child: Container(
41         padding: const EdgeInsets.all(32),
42         constraints: const BoxConstraints(maxWidth: 500),
43         decoration: BoxDecoration(
44           color: Colors.blue.shade50,
45           borderRadius: BorderRadius.circular(20),
46           boxShadow: [
47             BoxShadow(
48               color: Colors.blue.withOpacity(0.2),
49               blurRadius: 20,
50               offset: const Offset(0, 10),
51             ),
52           ],
53       ),
54       child: Column(
55         mainAxisAlignment: MainAxisAlignment.min,
56         children: [
57           const Text(
58             'Student Info',
59             style: TextStyle(
60               color: Colors.blueAccent,
61               fontSize: 26,
62               fontWeight: FontWeight.bold,
63             ),
64           ),
65           const SizedBox(height: 20),
66           InfoRow(title: 'Name', value: 'Reena Sri G'),
67           InfoRow(title: 'Register No', value: '22MID0009'),
68           InfoRow(
69             title: 'Institute',

```

```

70             value: 'Vellore Institute of Technology',
71           ),
72           InfoRow(title: 'Subject', value: 'Advanced Python Programming'),
73           const SizedBox(height: 30),
74           ElevatedButton.icon(
75             onPressed: () {
76               Clipboard.setData(ClipboardData(text: details));
77               ScaffoldMessenger.of(context).showSnackBar(
78                 const SnackBar(
79                   content: Text('Copied to clipboard!'),
80                   duration: Duration(seconds: 1),
81                 ),
82               );
83             },
84             icon: const Icon(Icons.copy),
85             label: const Text('Copy Details'),
86             style: ElevatedButton.styleFrom(
87               backgroundColor: Colors.blueAccent,
88               foregroundColor: Colors.white,
89               padding: const EdgeInsets.symmetric(
90                 horizontal: 24,
91                 vertical: 14,
92               ),
93               shape: RoundedRectangleBorder(
94                 borderRadius: BorderRadius.circular(12),
95               ),
96               textStyle: const TextStyle(
97                 fontSize: 16,
98                 fontWeight: FontWeight.w600,
99               ),
100             ),
101           ).

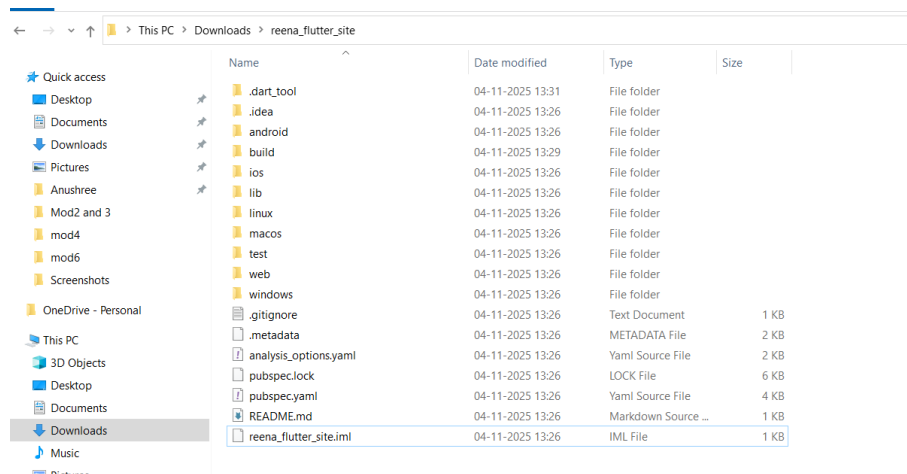
```

```

99     ),
100   ),
101   ),
102 ],
103   ),
104   ),
105   ),
106 );
107 }
108 }
109
110 class InfoRow extends StatelessWidget {
111   final String title;
112   final String value;
113
114   const InfoRow({super.key, required this.title, required this.value});
115
116   @override
117   Widget build(BuildContext context) {
118     return Padding(
119       padding: const EdgeInsets.symmetric(vertical: 6),
120       child: Row(
121         mainAxisAlignment: MainAxisAlignment.spaceBetween,
122         children: [
123           Text(
124             '$title:',
125             style: const TextStyle(
126               fontWeight: FontWeight.w600,
127               color: Colors.black87,
128               fontSize: 16,
129             ),
130           ),
131           Flexible(
132             child: Text(
133               value,
134               textAlign: TextAlign.right,
135               style: const TextStyle(color: Colors.black87, fontSize: 16),
136             ),
137           ),
138         ],
139       ),
140     );
141   }
142 }
143

```

FOLDER:



Name	Date modified	Type	Size
.dart_tool	04-11-2025 13:31	File folder	
.idea	04-11-2025 13:26	File folder	
android	04-11-2025 13:26	File folder	
build	04-11-2025 13:29	File folder	
ios	04-11-2025 13:26	File folder	
lib	04-11-2025 13:26	File folder	
linux	04-11-2025 13:26	File folder	
macos	04-11-2025 13:26	File folder	
test	04-11-2025 13:26	File folder	
web	04-11-2025 13:26	File folder	
windows	04-11-2025 13:26	File folder	
.gitignore	04-11-2025 13:26	Text Document	1 KB
.metadata	04-11-2025 13:26	METADATA File	2 KB
analysis_options.yaml	04-11-2025 13:26	Yaml Source File	2 KB
pubspec.lock	04-11-2025 13:26	LOCK File	6 KB
pubspec.yaml	04-11-2025 13:26	Yaml Source File	4 KB
README.md	04-11-2025 13:26	Markdown Source ...	1 KB
reena_flutter_site.iml	04-11-2025 13:26	IML File	1 KB

TERMINAL EXECUTION:

```
parthi@Panda 05:38 ~  
⚡ flutter create reena_flutter_site  
Creating project reena_flutter_site...  
Resolving dependencies in `reena_flutter_site`...  
Downloading packages...  
Got dependencies in `reena_flutter_site`.  
Wrote 130 files.  
  
All done!  
You can find general documentation for Flutter at: https://docs.flutter.dev/  
Detailed API documentation is available at: https://api.flutter.dev/  
If you prefer video documentation, consider: https://www.youtube.com/c/flutterdev  
  
In order to run your application, type:  
  
$ cd reena_flutter_site  
$ flutter run  
  
Your application code is in reena_flutter_site/lib/main.dart.
```

Your application code is in reena_flutter_site/lib/main.dart.

```
parthi@Panda 05:38 ~  
⚡ cd reena_flutter_site/  
parthi@Panda 05:39 ~/reena_flutter_site  
⚡ flutter devices  
Found 2 connected devices:  
Linux (desktop) • linux • linux-x64 • Debian GNU/Linux 13 (trixie)  
6.12.48+deb13-amd64  
Chrome (web) • chrome • web-javascript • Chromium 141.0.7390.122 built on Debian  
GNU/Linux 13 (trixie)  
  
Run "flutter emulators" to list and start any available device emulators.  
  
If you expected another device to be detected, please run "flutter doctor" to diagnose  
potential issues. You may also try increasing the time to wait for connected devices  
with the "--device-timeout" flag. Visit https://flutter.dev/setup/ for troubleshooting  
tips.
```

```
parthi@Panda 05:39 ~/reena_flutter_site  
⚡ flutter run -d chrome  
Launching lib/main.dart on Chrome in debug mode...  
Waiting for connection from debug service on Chrome... 16.6s  
This app is linked to the debug service: ws://127.0.0.1:40351/L2SI4rG2G0A=/ws  
Debug service listening on ws://127.0.0.1:40351/L2SI4rG2G0A=/ws  
  
Flutter run key commands.  
r Hot reload. 🔥🔥🔥  
R Hot restart.  
h List all available interactive commands.  
d Detach (terminate "flutter run" but leave application running).  
c Clear the screen  
q Quit (terminate the application on the device).  
  
A Dart VM Service on Chrome is available at: http://127.0.0.1:40351/L2SI4rG2G0A=  
Starting application from main method in: org-dartlang-app:/web_entrypoint.dart.  
The Flutter DevTools debugger and profiler on Chrome is available at:  
http://127.0.0.1:9100?uri=http://127.0.0.1:40351/L2SI4rG2G0A=
```

OUTPUT;

