

# ***Mobile Application Development Lab***

***CSL-341***

## ***Lab Journal***



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**Github Link:**

**<https://github.com/Abdullah-123576/MAD-LAB>**

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## Tasks

1. Create a simple application with following functionality:
  - a. Background color white
  - b. Add an App bar with 'blue Accent' background color
  - c. Give a title to that App bar of 'White' color

```
2. import 'package:flutter/material.dart';
3. import 'package:flutter/services.dart';
4.
5. void main() {
6.   WidgetsFlutterBinding.ensureInitialized();
7.   SystemChrome.setPreferredOrientations([
8.     DeviceOrientation.portraitUp,
9.     DeviceOrientation.portraitDown,
10.  ]).then((_) {
11.    runApp(const MyApp());
12.  });}
13.
14. class MyApp extends StatelessWidget {
15.   const MyApp({super.key});
16.
17.   @override
18.   Widget build(BuildContext context) {
19.     return MaterialApp(
20.       title: 'Simple Flutter App',
21.       theme: ThemeData(
22.         primarySwatch: Colors.blue,
23.       ),
24.       home: const MyHomePage(),
25.     );  }
26.
27. class MyHomePage extends StatelessWidget {
28.   const MyHomePage({super.key});
29.
30.   @override
31.   Widget build(BuildContext context) {
32.     return Scaffold(
33.       appBar: AppBar(
```

```
34.     backgroundColor: Colors.blueAccent, // Blue Accent App Bar
35.     title: const Text(
36.       'White',
37.       style: TextStyle(color: Colors.white), // White color for the
    title
38.     ),),
39.   body: Container(
40.     color: Colors.white, // White background
41.     child: const Center(
42.       child: Text(
43.         'Hello, Flutter!',
44.         style: TextStyle(fontSize: 24),
45.       ),
46.     ),
47.   ),
48. );}}
```

White

DEBUG

Hello, Flutter!

---

2. Introduce yourself and add it in your application. Your application includes:

- a. One paragraph of your introduction
- b. Your name should be bold (use bold property of text)
- c. Your qualities should be slanted (use italic property of text)
- d. Paragraph should be in center of the screen

```
49. import 'package:flutter/material.dart';
50.
51. void main() {
52.   runApp(const MyApp());
53. }
54.
55. class MyApp extends StatelessWidget {
56.   const MyApp({super.key});
57.
58.   @override
59.   Widget build(BuildContext context) {
60.     return MaterialApp(
61.       title: 'My Introduction',
62.       theme: ThemeData(primarySwatch: Colors.blue),
63.       home: Scaffold(
64.         appBar: AppBar(
65.           backgroundColor: Colors.blueAccent,
66.           title: const Text(
67.             'Introduction',
68.             style: TextStyle(color: Colors.white),
69.           ),
70.         ),
71.         body: Center(
72.           child: Padding(
73.             padding: EdgeInsets.all(16.0),
74.             child: RichText(
75.               textAlign: TextAlign.center,
76.               text: TextSpan(
77.                 style: TextStyle(fontSize: 20, color: Colors.black,
78.                 height: 1.5),
79.                 children: [
80.                   TextSpan(text: 'Hello! My name is '),
81.                   TextSpan(
82.                     text: 'Hafiz Muhammad Abdullah',
83.                     style: TextStyle(fontWeight: FontWeight.bold), // Bold
84.                     Name
```

```
83.         ),
84.         TextSpan(
85.           text: '. I am currently in my 6th semester of Computer
      Science. '
86.         configuration, '
87.           'I am learning Flutter.'
88.           'I am ',
89.         ),
90.         TextSpan(
91.           text: 'passionate about designing',
92.           style: TextStyle(fontStyle: FontStyle.italic), //
      Italic Qualities
93.         ),
94.         TextSpan(
95.           text: ' and always eager to learn new technologies.',
96.         ),
97.       ],
98.     ),
99.   ),
100. ),
101. ),
102. ),
103. );
104.   }
105. }
106.
```

Hello! My name is **Hafiz Muhammad Abdullah**. I am currently in my 6th semester of my computer Science. I am learning Flutter . I am *passionate about designing* and always eager to learn new technologies.

### 3. Add a star icon with your paragraph

```
107.     import 'package:flutter/material.dart';
108.
109.     void main() {
110.         runApp(const MyApp());
111.     }
112.
113.     class MyApp extends StatelessWidget {
114.         const MyApp({super.key});
115.
116.         @override
117.         Widget build(BuildContext context) {
118.             return MaterialApp(
119.                 title: 'My Introduction',
120.                 theme: ThemeData(primarySwatch: Colors.blue),
121.                 home: Scaffold(
122.                     appBar: AppBar(
123.                         backgroundColor: Colors.blueAccent,
124.                         title: const Text(
125.                             'Introduction',
126.                             style: TextStyle(color: Colors.white),
127.                         ),
128.                     ),
129.                     body: Center(
130.                         child: Padding(
131.                             padding: const EdgeInsets.all(16.0),
132.                             child: Column(
133.                                 mainAxisAlignment: MainAxisAlignment.center,
134.                                 children: [
135.                                     // ✨ Star Icon
136.                                     const Icon(
137.                                         Icons.star,
138.                                         color: Colors.yellow,
139.                                         size: 50,
140.                                     ),
141.                                     const SizedBox(height: 20), // Spacing between icon
142.                                     and text
143.                                     RichText(
144.                                         textAlign: TextAlign.center,
145.                                         text: TextSpan(
146.                                             style: TextStyle(
147.                                                 fontSize: 20, color: Colors.black, height:
148.                                                 1.5),
149.                                         children: [
```

```

148.         TextSpan(text: 'Hello! My name is '),
149.         TextSpan(
150.             text: 'Hafiz Muhammad Abdullah',
151.             style: TextStyle(
152.                 fontWeight: FontWeight.bold), // Bold
153.         ),
154.         TextSpan(
155.             text:
156.                 'I am currently in my 6th semester of
157.                 Computer Science. '
158.                 ' I am learning Flutter. '
159.                 'I am ',
160.         ),
161.         TextSpan(
162.             text: 'passionate about designing',
163.             style: TextStyle(
164.                 fontStyle: FontStyle.italic), // Italic
165.         ),
166.         TextSpan(
167.             text: ' and always eager to learn new
168.                 technologies.',
169.         ),
170.     ),
171. ),
172. ],
173. ),
174. ),
175. ),
176. ),
177. );
178. }
179. }

```



## Introduction

DEBUG



Hello! My name is **Hafiz Muhammad Abdullah**. I am currently in 6th semester of my Computer Science. I am learning Flutter. I am *passionate about designing* and always eager to learn new technologies.