

### 6 a) Create custom widgets for specific UI elements.

```
import 'package:flutter/material.dart';

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      home: Scaffold(
        appBar: AppBar(
          title: Text('Custom Widget Example'),
        ),
        body: Column(
          mainAxisAlignment: MainAxisAlignment.center,
          children: <Widget>[
            // Custom text field widgets
            CustomTextField('Enter your name'),
            SizedBox(height: 20),
            CustomTextField('Enter your email'),
            SizedBox(height: 20),
            CustomTextField('Enter your roll number'),
            SizedBox(height: 20),
            // Custom button widget
            CustomButton('Press Me', () {
              print('Button pressed!');
            }),
          ],
        ),
      ),
    );
  }
}

class CustomTextField extends StatelessWidget {
  final String hintText;

  CustomTextField(this.hintText); // Constructor to accept hint text

  @override
  Widget build(BuildContext context) {
    return Padding(
      padding: const EdgeInsets.all(8.0),
      child: TextField(
```

```

        decoration: InputDecoration(
            hintText: hintText,
            border: OutlineInputBorder(),
        ),
    ),
);
}
}

```

```

class CustomButton extends StatelessWidget {
    final String text;
    final VoidCallback onPressed;

```

```

    CustomButton(this.text, this.onPressed); // Constructor for button text and callback

```

```

    @override
    Widget build(BuildContext context) {
        return ElevatedButton(
            onPressed: onPressed,
            child: Text(text),
        );
    }
}

```

## OUTPUT:

Custom Widget Example

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519|

Press Me

## 6 b) Apply styling using themes and custom styles.

```
import 'package:flutter/material.dart';
```

```
void main() {  
  runApp(MyApp());  
}
```

```
class MyApp extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return MaterialApp(  
      title: 'Styling Demo',  
      theme: ThemeData(  
        primarySwatch: Colors.blue,  
      ),  
      home: StylingDemo(),  
    );  
  }  
}
```

```
class StylingDemo extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {  
    return Scaffold(  
      appBar: AppBar(  
        title: Text('Styling Demo'),  
      ),  
    );  
  }  
}
```

```

body: Padding(
  padding: const EdgeInsets.all(20.0),
  child: Column(
    children: [
      Text('Headline',
        style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold)),
      SizedBox(height: 10),
      Text('Body Text', style: TextStyle(fontSize: 18)),
      SizedBox(height: 20),
      ElevatedButton(
        onPressed: () {},
        child: Text('Button'),
      ),
      TextField(
        decoration: InputDecoration(
          border: OutlineInputBorder(),
        ),
      ),
    ],
  ),
),
);
}
}

```

**Output:**

