```dart
// PRACTICAL-2: Design a flutter screen with following widgets as per given hierarchy:
// Design two attractive themes "EmeraldTheme" and "RubyTheme".
// Apply any one theme initially and display that theme name in Text widget.
// On tap of the ElevatedButton, apply other than the currently applied theme and display that theme name in Text
   widget.

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// CODE:

import 'package:flutter/material.dart';

void main() {
  runApp(MyApp());
}
class MyApp extends StatefulWidget {
  @override
  _MyAppState createState() => _MyAppState();
}
class _MyAppState extends State<MyApp> {
  bool _isEmeraldTheme = true; // Flag to track the current theme
  // Define the EmeraldTheme
  ThemeData get emeraldTheme {
    return ThemeData(
      colorScheme: ColorScheme.fromSeed(
        seedColor: Colors.green,
        primary: Colors.green,
        secondary: Colors.greenAccent,
      ),
      visualDensity: VisualDensity.adaptivePlatformDensity,
    );
  }
  // Define the RubyTheme
  ThemeData get rubyTheme {
    return ThemeData(
      colorScheme: ColorScheme.fromSeed(
        seedColor: Colors.red,
        primary: Colors.red,
        secondary: Colors.redAccent,
      ),
      visualDensity: VisualDensity.adaptivePlatformDensity,
    );
  }
  // Toggle between themes
  void _toggleTheme() {
    setState(() {
      _isEmeraldTheme = !_isEmeraldTheme;
    });
  }
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'PRACTICAL 2',
      theme: _isEmeraldTheme ? emeraldTheme : rubyTheme,
      home: HomeScreen(
        isEmeraldTheme: _isEmeraldTheme,
```

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            toggleTheme: _toggleTheme,
          ),
          debugShowCheckedModeBanner: false,
        );
      }
    }
    class HomeScreen extends StatelessWidget {
      final bool isEmeraldTheme;
      final VoidCallback toggleTheme;
      HomeScreen({required this.isEmeraldTheme, required this.toggleTheme});
      @override
      Widget build(BuildContext context) {
        return Scaffold(
          appBar: AppBar(
            title: Text('PRACTICAL 2'),
          ),
          body: Column(
            mainAxisAlignment: MainAxisAlignment.center,
            children: <Widget>[
              Center(
                child: Text(
                  isEmeraldTheme ? 'Current Theme --> Emerald' : 'Current Theme --> Ruby',
                  style: TextStyle(
                    fontSize: 24,
                    fontWeight: FontWeight.bold,
                  ),
                ),
              ),
              SizedBox(height: 20),
              Center(
                child: ElevatedButton(
                  onPressed: toggleTheme,
                  child: Text('Switch Theme'),
                ),
              ),
              Spacer(),
              Padding(
                padding: const EdgeInsets.all(16.0),
                child: Text(
                  '202203103510097',
                  style: TextStyle(
                    fontSize: 14,
                    color: Colors.grey,
                  ),
                  textAlign: TextAlign.center,
                ),
              ),
            ],
          ),
        );
      }
    }
```