

**SEB-312 Mobile Application Development**

**LAB # 10**

**LAB Title**

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| Making HTTP POST requests using the http package |

**Assessment of CLO: 04, PLO: 05**

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| **Student Name:** |  | | |
| **Roll No.** |  | | |
| **Semester** |  | **Session** |  |

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| **S. No.** | **Perf. Level**  **Criteria** | **Excellent**  **(2.5)** | **Good**  **(2)** | **Satisfactory**  **(1.5)** | **Needs Improvement**  **(0 ~ 1)** | **Marks Obtained** |
| **1** | Project Execution & Implementation | Fully functional, optimized, and well-structured. | Minor errors, mostly functional. | Some errors, requires guidance. | Major errors, non-functional, or not Performed. |  |
| **2** | Results & Debugging  Or Troubleshooting | Accurate results with effective debugging  Or Troubleshooting. | Mostly correct, some debugging Or Troubleshooting needed. | Partial results, minimal debugging  Or Troubleshooting. | Incorrect results, no debugging Or Troubleshooting, or not attempted. |  |
| **3** | Problem-Solving & Adaptability  (VIVA) | Creative approach, efficiently solves challenges. | Adapts well, minor struggles. | Some adaptability, needs guidance. | Lacks innovation or no innovation, unable to solve problems. |  |
| **4** | Report Quality & Documentation | Clear, structured, with detailed visuals. | Mostly clear, minor gaps. | Some clarity issues, missing details. | Poorly structured, lacks clarity, or not submitted. |  |
| **Total Marks Obtained Out of 10** | | | | | |  |

**Experiment evaluated by**

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| **Instructor’s Name** | **Sidra Khatoon** | | |
| **Date** |  | **Signature** |  |

**Objective**

The objective of lab is Making HTTP POST requests using the http package. Fetching and displaying data from a REST API.

1. Use http.post() and send a JSON object:

{

"name": "Ali",

"message": "Please contact me about your services."

}

1. On success (status code 201), show:

Message sent successfully!

Name: Ali

Message: Please contact me about your services.

ID: 1

Main.dart:

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| --- |
| // ignore\_for\_file: library\_private\_types\_in\_public\_api  import 'package:flutter/material.dart';  import 'package:http/http.dart' as http;  import 'dart:convert';  void main() {  runApp(MyApp());  }  // ignore: use\_key\_in\_widget\_constructors  class MyApp extends StatelessWidget {  @override  Widget build(BuildContext context) {  return MaterialApp(  home: MessageForm(),  );  }  }  // ignore: use\_key\_in\_widget\_constructors  class MessageForm extends StatefulWidget {  @override  \_MessageFormState createState() => \_MessageFormState();  }  class \_MessageFormState extends State<MessageForm> {  String result = '';  bool isLoading = false;  Future<void> sendMessage() async {  setState(() {  isLoading = true;  result = '';  });  final url = Uri.parse('https://jsonplaceholder.typicode.com/posts'); // Mock endpoint  final body = {  "name": "Abdullah Mohsin",  "message": "I am working in flutter-project"  };  final response = await http.post(  url,  headers: {'Content-Type': 'application/json'},  body: jsonEncode(body),  );  if (response.statusCode == 201) {  final data = jsonDecode(response.body);  setState(() {  result = '''  Message sent successfully!  Name: ${body['name']}  Message: ${body['message']}  ID: ${data['id'] ?? 'N/A'}  ''';  });  } else {  setState(() {  result = 'Failed to send message. Status code: ${response.statusCode}';  });  }  setState(() {  isLoading = false;  });  }  @override  Widget build(BuildContext context) {  return Scaffold(  appBar: AppBar(title: Text("Send Message")),  body: Padding(  padding: const EdgeInsets.all(16.0),  child: Column(  children: [  ElevatedButton(  onPressed: isLoading ? null : sendMessage,  child: Text(isLoading ? 'Sending...' : 'Send Message'),  ),  SizedBox(height: 20),  Text(result),  ],  ),  ),  );  }  } |

OUTPUT:

