# Pak-Austria Fachhochschule Institute of Applied Sciences and Technology, Haripur

**LAB 02 – Spring 2025**

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| Class: | BSSE-F22 Green | Date: | 6TH Feb 2025 |
| Subject: | Software Development and Construction | Instructor: | Dr. Nabeel Ahmed\_\_\_\_\_\_\_\_\_ |
| Time Allowed: | 2 hr 30 min. | Lab Engineer: | Zainab Tahir |

***Instructions:***

You are required to complete the following lab task individually. **Plagiarism or copying from other students is strictly prohibited.** Ensure that your work is original and reflects your understanding of the task.

Create a simple calculator using Java while practicing GitHub functionalities such as commit, push, pull, branch creation, and delete operations.

* **Create a new GitHub repository** named java-calculator and clone it locally.
* **Write a Java program** that performs basic arithmetic operations (addition, subtraction, multiplication, division).
* **Commit and push** the initial code to GitHub.
* **Create a new branch** named advanced-features and add functionality for modulus and exponentiation.
* **Merge the branch** into the main branch using a pull request.
* **Delete unnecessary files** (e.g., test files) and **delete the advanced-features branch** after merging.
* **Share the GitHub repository link** after completing the task.