**Test Report:**

**Sample Traceability Matrix:**

|  |  |  |
| --- | --- | --- |
| **Requirement ID** | **Requirement Type and Description** | **Test Cases with Status** |
| REQ001 | Addition functionality | TC001: Addition test - Passed |
| REQ002 | Subtraction functionality | TC001: Subtraction test - Passed |
| REQ003 | Multiplication functionality | TC001: Multiplication test - Passed |
| REQ004 | Division functionality | TC001: Division test - Passed |
| REQ005 | Division by zero handling | TC001: Division by zero test - Passed |

**Defect Report**

* No defects found during testing.

**Test Summary:**

* All test cases passed successfully.
* The Calculator class functions as expected, performing addition, subtraction, multiplication, and division operations correctly.
* Edge case handling (division by zero) is implemented and tested successfully.