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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test Case ID/Operator Value** | **Trials** | **Test Steps** | **Test Input** | **Expected Result** | **Actual Results** | **Status**  **(Pass/**  **Fail)** | **Comments** |
| 1.Addition | 1 | User entered two positive integers or  Floats | 12, 12 | 24 | 24.0 | Pass | Result as Expected |
|  | 2 | User entered two negative integers or Floats | -12, -12 | -24 | -24.0 | Pass |  |
|  | 3 | User entered one positive and one negative integer. | 12, -12 | 0 | 0.0 | Pass |  |
| 2.Subtraction | 1 | User entered two positive integers | 12, 12 | 0 | 0.0 | Pass | Result as Expected |
|  | 2 | User entered two negative integers | -12-12 | 0 | 0.0 | Pass |  |
|  | 3 | User entered one positive and one negative integer. | 12, -12 | 24 | 24.0 | Pass |  |
| 3.Multiplication | 1 | User entered two positive integers | 12, 12 | 144 | 144.0 | Pass | Result as Expected |
|  | 2 | User entered two negative integers | -12-12 | 144 | 144.0 | Pass | - |
|  | 3 | User entered one positive and one negative integer. | 12, -12 | -144 | -144.0 | Pass | - |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 4.Division | 1. | User entered two positive integers | 12,12 | 1 | 1.0 | Pass | Result as Expected |
|  | 2. | User entered two negative integers | -12,-12 | 1 | 1.0 | Pass | - |
|  | 3. | User entered one positive and one negative integer. | -12,12 | 1 | -1.0 | Pass | - |
|  | 4. | Division by zero: Input 0 as second number | 0 | Invalid | Invalid | Fail | You have entered an invalid Operator, please try again. |
| Invalid input: | 1. | Invalid input: Input non-numeric value | abc/ABC | Invalid | Invalid |  | You have entered an invalid value, please try again. |
|  | 2. | Invalid input: Input non-numeric value | $$$ | Invalid | Invalid | Fail | You have entered an invalid value, please try again. |
| Perform another calculation | 1. | Perform another calculation (yes): Input 'yes' | yes |  |  |  | Program prompts for new calculation |
|  | 2. | Perform another calculation (no): Input 'no' | No |  |  | Pass | Program terminates with "Goodbye!" message |