Prodigy_ST_01

*Write test cases for simple Calculator App.

◆ Test Case 1: Valid Addition of Two Positive Integers

- Test Case ID: TC001

- Test Description: Add two positive integers (e.g., 5 + 3)

- Preconditions: Calculator app is open

- Test Steps:

    1. Enter 5

    2. Press +

    3. Enter 3

    4. Press =

- Expected Result: Display shows 8

◆ Test Case 2: Valid Subtraction Resulting in Negative Number

- Test Case ID: TC002

- Test Description: Subtract larger number from smaller (e.g., 3- 5)

- Preconditions: Calculator app is open

- Test Steps:

    1. Enter 3

    2. Press-

    3. Enter 5

    4. Press =

- Expected Result: Display shows-2

◆ Test Case 3: Decimal Multiplication

- Test Case ID: TC003

- Test Description: Multiply two decimal numbers (e.g., 2.5 × 4.2)

- Preconditions: Calculator app is open

- Test Steps:

   1. Enter 2.5

   2. Press ×

   3. Enter 4.2

   4. Press =

- Expected Result: Display shows 10.5

◆ Test Case 4: Division by Zero

- Test Case ID: TC004

- Test Description: Try to divide a number by zero (e.g., 5 ÷ 0)

- Preconditions: Calculator app is open

- Test Steps:

   1. Enter 5

   2. Press ÷

   3. Enter 0

   4. Press =

- Expected Result: Display shows Error or Cannot divide by zero

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◆ Test Case 5: Invalid Input (Non-Numeric Characters)

- Test Case ID: TC005

- Test Description: Enter a letter (e.g., A)

- Preconditions: Calculator app is open

- Test Steps:

   1. Press A or any non-numeric key

- Expected Result: Display shows Invalid Input or input is ignored

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◆ Test Case 6: BODMAS Rule Check

- Test Case ID: TC006

- Test Description: Input expression using BODMAS (e.g., 2 + 3 × 4)

- Preconditions: Calculator supports operator precedence

- Test Steps:

1. Enter 2 + 3 × 4

2. Press =

- Expected Result: Display shows 14 (multiplication before addition)