**TEST CASES**

Test Case Number: 1

Test Case Name: Addition Test

Test Case Aim: To verify addition is performed correctly

Input: 3 + 5

Steps: 1. Entered first value

2. + sign is pressed

3. Entered second value and = button is pressed.

Expected Output: 8

Test Case Number: 2

Test Case Name: Multiplication Test

Test Case Aim: To verify multiplication is performed correctly

Input: 3 \* 5

Steps: 1. Entered first value

2. \* sign is pressed

3. Entered second value and = button is pressed.

Expected Output: 15

Test Case Number: 3

Test Case Name: Subtraction Test

Test Case Aim: To verify subtraction is performed correctly

Input: 5 - 3

Steps: 1. Entered first value

2. - sign is pressed

3. Entered second value and = button is pressed.

Expected Output: 2

Test Case Number: 4

Test Case Name: Division Test

Test Case Aim: To verify division is performed correctly

Input: 5 / 3

Steps: 1. Entered first value

2. / sign is pressed

3. Entered second value and = button is pressed.

Expected Output: 1.6

Test Case Number: 5

Test Case Name: Trigonometric Test

Test Case Aim: To verify trigonometric functions are performed correctly

Input: sin(90)

Steps: 1. Entered the value (degree)

2. sin sign is pressed

Expected Output: 1

**BUGS&DEFECTS**

Bug Number: 1

Bug Definition: Trigonometric Test Bug. After program calculates sin(90), other buttons which have numbers, stay unclickable.

Bug Severity (Major, minor): Major

Bug Number: 2

Bug Definition: Text bug. Programs title is not normal.

Bug Severity (Major, minor): Minor

Bug Number: 3

Bug Definition: Negative addition bug. Can’t add negative numbers properly.

Bug Severity (Major, minor): Minor

Bug Number: 4

Bug Definition: Addition bug. Can’t add 3 or more numbers in a row.

Bug Severity (Major, minor): Minor

Bug Number: 5

Bug Definition: Multiplication bug. Can’t multiply 3 or more numbers in a row.

Bug Severity (Major, minor): Minor

Bug Number: 6

Bug Definition: Division bug. Can’t divide 3 or more numbers in a row.

Bug Severity (Major, minor): Minor

Bug Number: 7

Bug Definition: Subtraction bug. Can’t subtract 3 or more numbers in a row.

Bug Severity (Major, minor): Minor

Bug Number: 8

Bug Definition: Factorial bug. Program can not calculate 1 million factorial. It crashes.

Bug Severity (Major, minor): Major

Bug Number: 9

Bug Definition: Second factorial bug. Program does not show the result properly if given numbers factorial is too big.

Bug Severity (Major, minor): Minor

Bug Number: 10

Bug Definition: xA2 buttons are the same. Can’t see because of programs size.

Bug Severity (Major, minor): Minor