

# Individual class tests output capture

## test case reference (using cpp built operators)

### BASIC

Addition (5 + 5): 10

Subtraction (10.0 - 5): 5

Multiplication (34.2\*0.5): 17.1

Division (40 / 2): 20

Square root of 25: 5

Square of 5: 25

Combination ( (5 + 6)/ 10.0 ) \* 3 / 1.5 2.2

### SCIENTIFIC

Sine of 30 degrees: -0.988032

Cosine of 50 degrees: 0.964966

Tangent of 90 degrees: -1.9952

Combination cos(sin(50)) 0.965777

## Calculator Menu:

1. Basic Calculator

2. Scientific Calculator

3. Quit

Please select an option (1-3): 1

Basic Calculator Selected

Enter expression (or type 'quit' to exit): 5 + 5

ans : 5 + 5 is 10

Enter expression (or type 'quit' to exit): 10.0 - 5

ans : 10.0 - 5 is 5

Enter expression (or type 'quit' to exit): 34.2 \* 0.5

ans : 34.2\*0.5 is 17.1

Enter expression (or type 'quit' to exit): 40 / 2

ans : 40 / 2 is 20

Enter expression (or type 'quit' to exit): r 25

ans : r 25 is 5

Enter expression (or type 'quit' to exit): s 5

ans : s 5 is 25

Enter expression (or type 'quit' to exit): 5 + 6 / 10.0 \* 3 / 1.5

ans : 5 + 6 / 10.0 \* 3 / 1.5 is 2.2

Enter expression (or type 'quit' to exit): quit

Calculator Menu:

1. Basic Calculator

2. Scientific Calculator

3. Quit

Please select an option (1-3): 2

Scientific Calculator Selected

Enter scientific expression (or type 'quit' to exit): s 30

ans : s 30 is -0.988032

Enter scientific expression (or type 'quit' to exit): c 50

ans : c 50 is 0.964966

Enter scientific expression (or type 'quit' to exit): t 90

ans : t 90 is -1.9952

Enter scientific expression (or type 'quit' to exit): s 50 c

ans : s 50 c is 0.965777

Enter scientific expression (or type 'quit' to exit): quit

Calculator Menu:

1. Basic Calculator

2. Scientific Calculator

3. Quit

Please select an option (1-3): 3

Quitting the program.

Process returned 0 (0x0) execution time : 210.609 s

Press any key to continue.

#### **Add on test case**

Please select an option (1-3): 1

Basic Calculator Selected

Enter expression (or type 'quit' to exit): 5 / 0

Error: Division by zero

Enter expression (or type 'quit' to exit): 5 / 2

ans : 5 / 2 is 2.5

Enter expression (or type 'quit' to exit):