Test of the PostfixEvaluation class. Sam Stansfield

Blue is used to designate user input to the program. Output is in black

Comments in red.

Please enter an algebraic expression in postfix notation, "DONE" to finish

2 3 + 4 \*

2 3 + 4 \* = 20.0

Please enter an algebraic expression in postfix notation, "DONE" to finish

2 3+4\*

2 3+4\* = 20.0 // Spaces not needed between operators.

Please enter an algebraic expression in postfix notation, "DONE" to finish

2 3\*4+

2 3\*4+ = 10.0 // Swapping operators can give different results.

Please enter an algebraic expression in postfix notation, "DONE" to finish

2 3 4+\*

2 3 4+\* = 14.0 // But not in this case.

Please enter an algebraic expression in postfix notation, "DONE" to finish

2 3 4\*+

2 3 4\*+ = 14.0

Please enter an algebraic expression in postfix notation, "DONE" to finish

Now test the error messages

2 0/

No division by zero permitted

Please enter an algebraic expression in postfix notation, "DONE" to finish

2 4 6+\*\*

Too many operators

Try again please

Please enter an algebraic expression in postfix notation, "DONE" to finish

2 4 5+

Error in postfix expression.

Try again please

Please enter an algebraic expression in postfix notation, "DONE" to finish

2 4a

4a is not a number or a valid operator

Try again please

Please enter an algebraic expression in postfix notation, "DONE" to finish

2 4 a

a is not a number or a valid operator

Try again please

Please enter an algebraic expression in postfix notation, "DONE" to finish

2 4^

4^ is not a number or a valid operator

Try again please

Please enter an algebraic expression in postfix notation, "DONE" to finish

done