**Description of who worked on what portions of the program:**

**Sean O’Mara:** InfixToPostfix function

**Lucas Malave:** Stack class

**Seamus Delaney:** evaluatePostfix function and GUI

**Lucas Alba:** evaluatePostfix function and GUI

**Summary of the testing results:**

Example 1: Infix Expression: 5 \* (6 % 2 + 7) / 2

Postfix Expression: 5 6 2 % 7 + \* 2 /

Postfix Evaluation: 17.5

Example 2: Infix Expression: 5.6 \* (2.2 + 5.9) % (16.2 \* 4.8 + 2.4)

Postfix Expression: 5.6 2.2 5.9 + \* 16.2 4.8 \* 2.4 + %

Postfix Evaluation: 39.2

Example 3: Infix Expression: 76 ^ 2.5 \* (9.2 + 16)

Postfix Expression: 76 2.5 ^ 9.2 16 + \*

Postfix Evaluation: 1268920.9

Example 4: Infix Expression: 576 \* (92 - 14) ^ 2

Postfix Expression: 576 92 14 - 2 ^ \*

Postfix Evaluation: 3504384

Example 5: Infix Expression: 14 - 5 \*

Postfix Expression: 14 5 \* -

Postfix Evaluation: Invalid Expression

**Instruction on how to properly run/test the program:**

Run the InfixToPostfix file

Enter an infix expression

The expression will be translated to a postfix expression and printed on the screen

Then the expression will be evaluated and the results will be printed on the screen