Lab Goal: This lab was designed to teach you more about the ArrayList class.

Lab Description: Take an expression and solve it. For instance, if you were given 3 + 4 * 5, you should come to the answer of 23. This would require that you handle the multiplication before the addition.

Sample Data:

```
3 + 5 3 * 5 3 - 5 3 / 5 5 / 5 * 2 + 8 / 2 + 5 5 * 5 + 2 / 2 - 8 + 5 * 5 - 2
```

Files Needed ::

ExpressionSolver.java Lab04e.java

Sample Output:

```
3 + 5 = 8

3 * 5 = 15

3 - 5 = -2

3 / 5 = 0

5 / 5 * 2 + 8 / 2 + 5 = 11

5 * 5 + 2 / 2 - 8 + 5 * 5 - 2 = 41
```

EXPRESSION SOLVER ALGORITHM

```
while there are * and / symbols
{
    find the 1<sup>st</sup> * or / operator
    get the first operand
    get the second operand
    get the operator
    calc the answer
    remove the first operand
    remove the operator
    replace the 2<sup>nd</sup> operand with the new answer
}
```

do the same thing for + and -