***Report 1***

In this assignment we were asked to re-organize lab2, we had to learn to write and use functions in Python, getting some experience recoding existing programs.

The objective for the week was to get comfortable with string operations in Python as well as manipulations, start using “if” and “if-else” statements, and start using while loops.

The most important variables and functions are, “all\_signs” which identify the sign of the expression that is being evaluated, the function “simpleExpressionIsValid” which determines if the expression has an operator, “evaluateSimpleExpression” determines what sign was found and compute the operation, “termIsValid” looks for a parenthesis at the start and end of each term, “complexExpressionIsValid” find multiplication sign and if expression is valid, it keeps going, evaluateComplexExpression, evaluate if the expression has everything that makes it valid.