

# CSU 396 Programming Languages Lab

## Assignment question - Untyped Arithmetic Expressions

Modify the original interpreter(NB) to incorporate the following changes.

1. Provide both positive and negative integers in the language. Show the changes needed and implement it.
2. Suppose we want to change the evaluation strategy of our language in such a way that the *then* and *else* branches of an *if* expression are evaluated (in that order) before the guard is evaluated. [Refer exercise 3.5.18, page 43 of the text book]. Show how to change the evaluation rules to achieve this and provide an implementation.

SUBMIT A ZIP FILE containing

1. A one page PDF file giving the syntax and semantics (evaluation rules) of the language you are implementing.
2. The modified source code (*.ml* files).