**Distributed**: 11/2/2015 **Due**: 11/11/2015 (1-1/2 week)

**Precis**: Implement stack-based evaluation of postfix arithmetic expressions (Drozdek pp 171 – 176)

For the binary operators:

- \* multiply
- / integer divide
- + add
- subtract
- ^ exponentiate
- % mod
- m min
- M max

Complete the implementation of the stack-based evaluation of postfix integer arithmetic expressions on integer values.

Precedence from high to low:

- M, m
- ٨
- \*,/,%
- +, -

All operators are left associative.

## Catch the following errors by throwing exceptions:

Operator without operands

Single operand

Extra operand

Variable name

**Empty string** 

## **Test cases:**

Turn in screen shot showing your program executing on the test cases and catching the errors indicated above.

## Turn in:

Hardcopy of code Screen shot

## Grade based on:

Meeting specifications
Elegance
Readability