# CISC 603 Project Progress Report

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### Operator Grammar

- Expression term ((+|-) term)\*
- Term element ((\* | /) element)\*
- Element (+|-) element | integer | (expression)

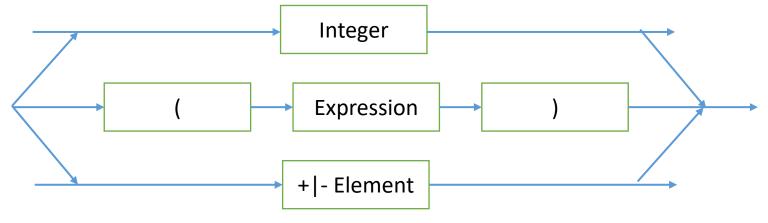
```
Expression

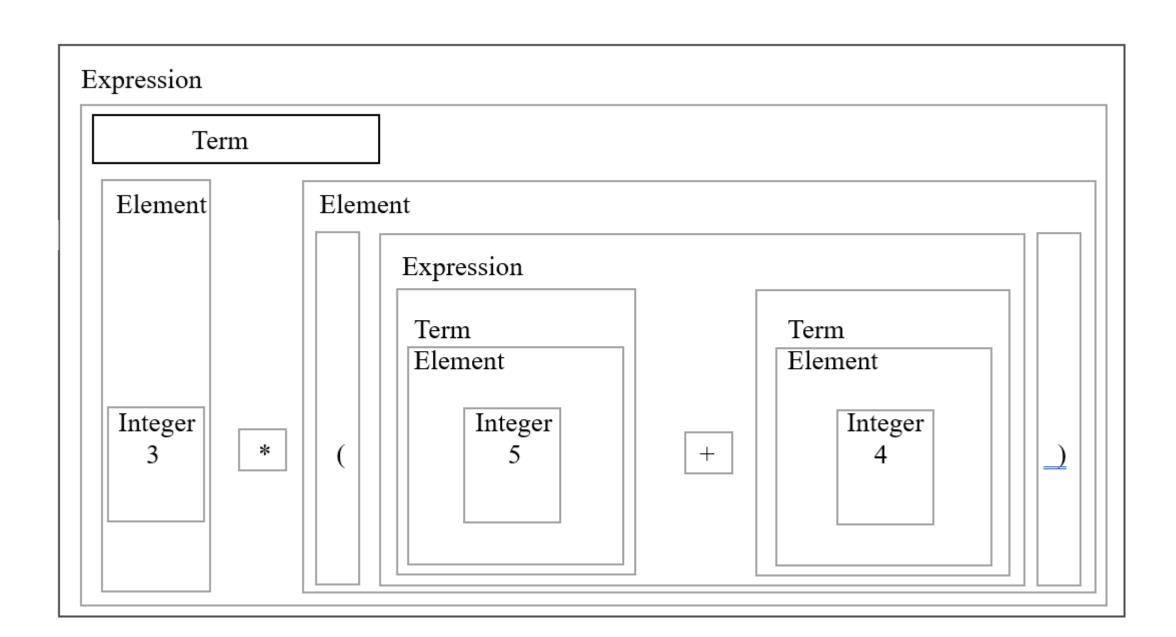
Term ((+|-) Term)*

Element + Element

Integer + Integer

2 + 3
```





## keywords

#### Reserved Keywords including the following:

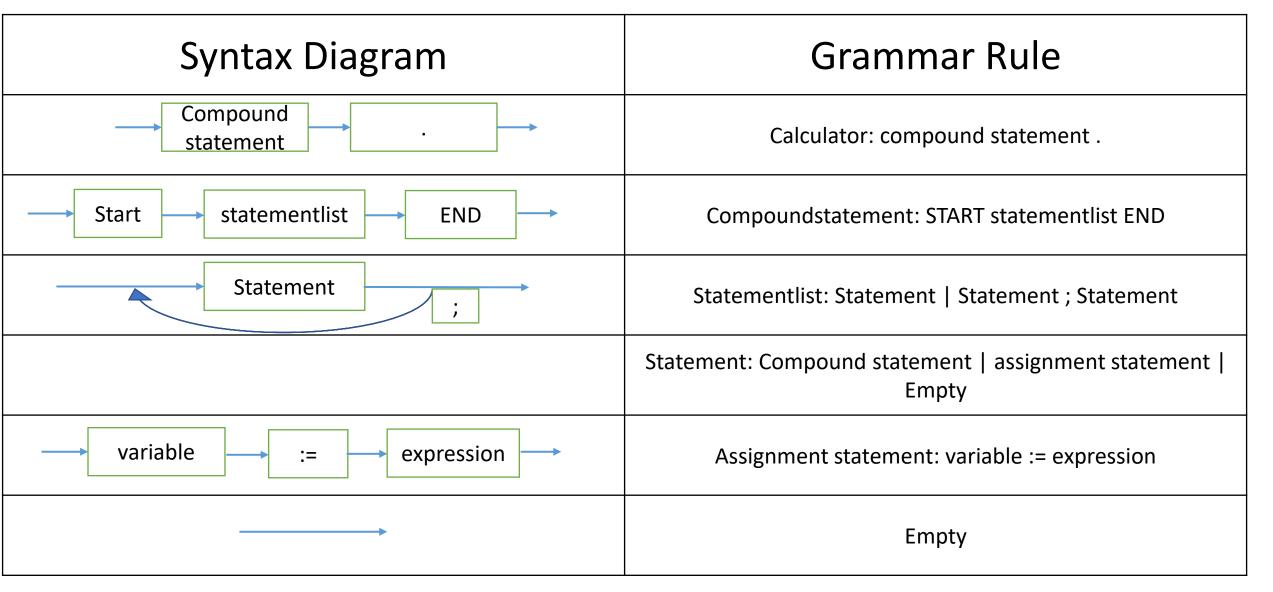
- START : Token('START')
- END.: Token('END.')
- VAR: Token('VAR')
- INT: Token('INT')
- FLOAT: Token('FLOAT')
- CALCULATOR: Token('CALCULATOR')
- ":=", ";" .....

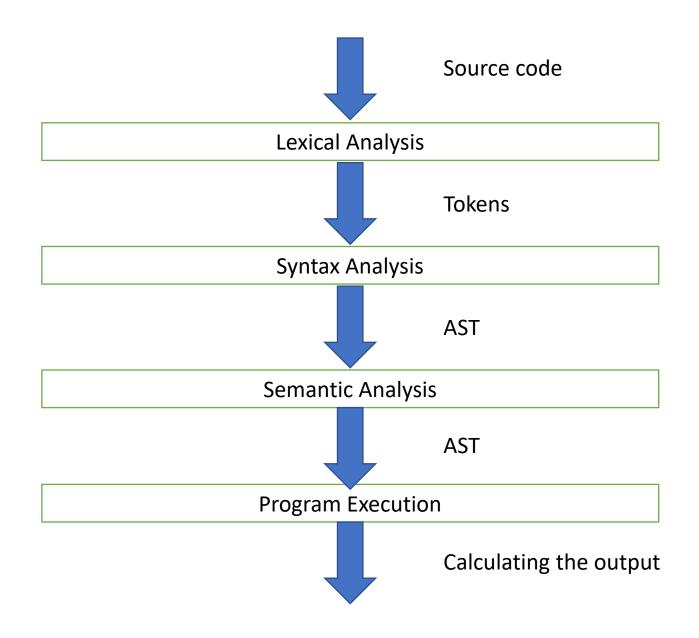
#### Symbol Table

After a:= 3, b := 4

а	3
b	4

### Program Grammar

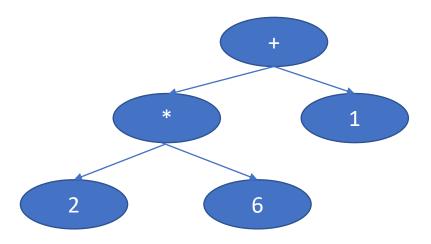




#### Sample Code

```
CALCULATOR Main;
    VAR
        a: INT;
        b: INT;
        c: FLOAT
 6
        result: FLOAT
 8
    START
        a := 5;
10
        b := 6;
11
        c := 10;
12
        result := (a * b) + c;
13
    END;
14
15
    END.
```

#### Sample AST



#### Parser Logic Tree

