

- IO → modified to include 3rd args variable.
 - LexArithArray
 - Parser → expanded main method to write result to file.
Contains Data Structure

Index

- 0 → • Obj
 - Val
 - IntVal
 - FloatVal
- } Ignored

- 1 → • AssignmentList
 - Assignment
 - MultipleAssignment
- 2 →
- 3 →
- 4 → • E
 - SingleTerm
 - AddE
 - SubE
- 5 →
- 6 →
- 7 →
- 8 → • Term
 - SinglePrimary
 - MulTerm
 - DivTerm
- 9 →
- 10 →
- 11 →
- 12 → • Primary
 - Id
 - Int
 - Floatp
 - Parenthesized
- 13 →
- 14 →
- 15 →
- 16 →

No new classes were created. Only Obj class and its child classes were modified, along with IO class to include a third args variable.

Obj class and subclasses modification consisted of:

- adding counter fields and methods to +1 every time the given class is instantiated/called upon.

- Data Structure used to store ^{each} class' counter data consists of one 1Dimension array (object array). Index of array corresponds to a specific class' counter value.

ObjectArray →

Obj	AList	Assgn	MAssign	E	AddE	Parenthesized
Index →	0	1	2	3	4	5 16

- Example: if addE counter gets called a counter for E also gets called because addE is child of E. Via abstract method.