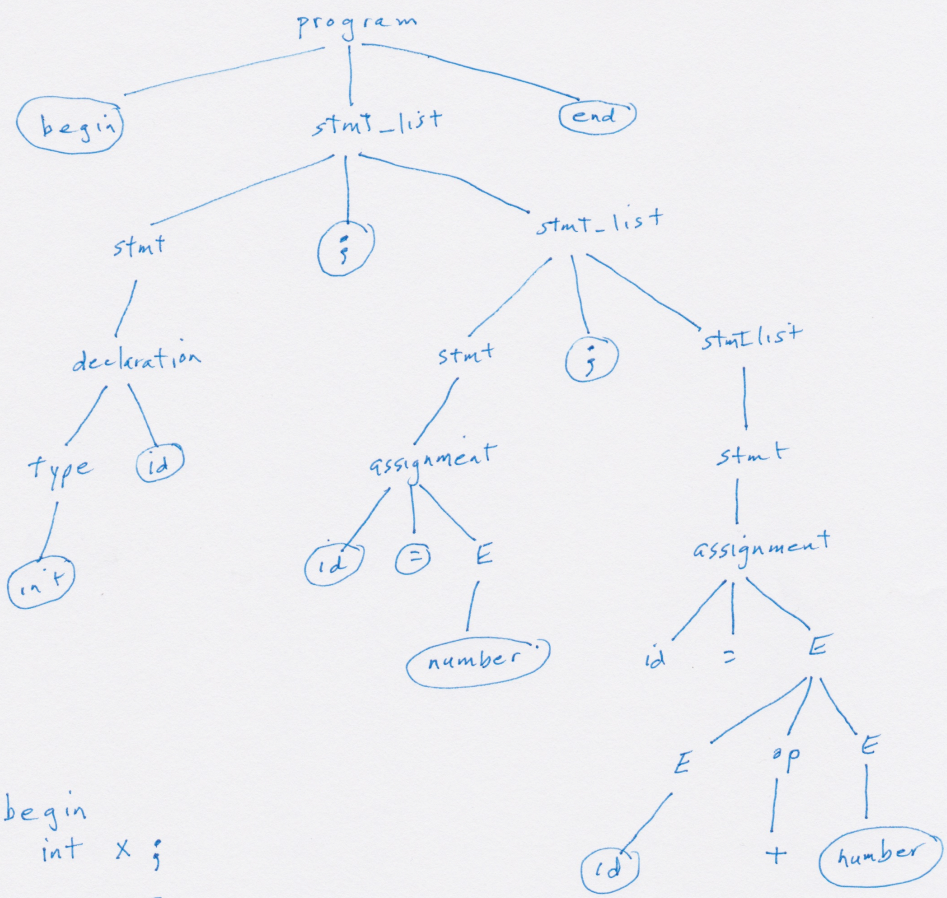


COSC 341 Fall 2017 9/21/2017

A simple programming language grammar
(only productions are given; terminals are **boldface**)

```
program      →  begin stmt_list end
stmt_list    →  stmt      |  stmt ; stmt_list
stmt         →  declaration | assignment
declaration  →  type id
type         →  int | char
assignment   →  id = E
E            →  id | number | E op E
op           →  + | - | * | -
```



```

begin
  int x ;
  x = 3 ;
  x = x + 1
end

```