EvalPrint(EP) Grammar

```
:: (<binding> | <expr> | <func-def>)* EOF
cprogram>
<br/>dinding>
                          :: let := <binding-name>
<expr>
                          :: <expr> <bin_op> <expr>
                           | (<expr>)
                           | <func-call>
                           | <binding-name>
                           | <number>
                           | <unary-op> <expr>
<func-def>
                            func <binding-name>(<binding-name>*) := <expr>
<br/><br/>bin-op>
                            | //
                           | %
<unary-op>
<func-call>
                           | <binding-name>(<binding-name>*)
<number>
                          :: <real-number>
                          | <complex-number>
<real-number>
                          :: <float-number>
                          :: <int-number>
<signed-real-number>
                          :: [+]<real-number>
                           | [-]<real-number>
<complex-number>
                          :: complex(<signed-real-number>, <signed-real-number>)
<int-number>
                          :: <hex-number>
                           | <bin-number>
                           | <dec-number>
                           | <oct-number>
<float-number>
                          :: Any float number e.g 10.784, 1e10, .145
<hex-number>
                          :: Any hex number e.g 0x00FF
<br/>din-number>
                          :: Any bin
                                        number e.g 0b0013
<oct-number>
                          :: Any oct
                                        number e.g 0o1453
<dec-number>
                          :: Any decimal number e.g 1, 2, 10
<br/><br/>dinding-name>
                          :: Any string which starts with an alphabetic letter or
"_" followed by alphanumeric characters or "_" e.g add, add_1, add_, _
```

Notes

- // is integer division, e.g
- Terminal symbols are in bold
- /n indicates we should move to a new line
- Splitting staments with multiple newlines will cause a problem

Example of valid programs that would be accepted by the tokenizer:

```
1:
1 * 2
2:
(-1)
3:
18494.784 ^ 3
4:
(1 * 48 * a * 389 * 64)
5:
func multiply(a, b) := a * b
multiply(a, b)
6:
let a := 10
a * 10
7:
let a := 10.3
let c := 15.4
1944.66 + c * 3.4 + 1.4 + 2.3 + 4.5
(-2.0) + a
let b := 10.2
a + b
let d := 10
func add(x, y) := x + y
add(10, 20)
d + 30
```