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Can you please complete the statements function:
;;; ~~~ Statements ~~~
; stmt -> id = expr;
; | if (boolean) stmt;
; | while (boolean) linelist endwhile;
; | read id;
; | write expr;
; | goto id;
; | gosub id;
; | return;
; | break;
; | end;
(define stmt/p
 (or/p (do [identifier <- id/p]
        (string/p "=")
        [e <- expr/p]
        (string/p ";")
        (pure (list 'assign identifier e)))
     (do (string/p "if")
        (string/p "(")
        [cond <- boolean/p]
        (string/p ")")
        [s <- stmt/p]
        (string/p ";")
        (pure (list 'if cond s)))
     (do (string/p "while")
        (string/p "(")
        [cond <- boolean/p]
        (string/p ")")
        [Il <- linelist/p]
        (string/p "endwhile")
        (pure (list 'while cond II)))
     ; etc....
     ))
```

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Help me debug:
string:1:4: parse error
 unexpected:
 expected: :, letter, or number
0 | read A;
Input file:
read A;
write A;
$$
A is a valid letter??
Is this correct?
(define id/p
 (do [first-char <- (or/p letter/p (char/p #\_))]
    [rest-chars <- (many/p (or/p letter/p digit/p))]
    (pure (string->symbol (list->string (cons first-char rest-chars)))))
 )
I think it's because the read parse doesn't account for a whitespace.
(define stmt/p
 (or/p
  ; id = expr;
  (do [identifier <- id/p]
    (string/p "=")
    [e <- expr/p]
    (string/p ";")
    (pure (list 'assign identifier e)))
  ; if (boolean) stmt;
  (do (string/p "if")
    (string/p "(")
    [cond <- boolean/p]
    (string/p ")")
    [s <- stmt/p]
    (string/p ";")
    (pure (list 'if cond s)))
  ; while (boolean) linelist endwhile;
```

```
(do (string/p "while")
   (string/p "(")
  [cond <- boolean/p]
  (string/p ")")
  [II <- linelist/p]
  (string/p "endwhile")
  (pure (list 'while cond II)))
; read id;
(do (string/p "read")
  [identifier <- id/p]
  (string/p ";")
  (pure (list 'read identifier)))
; write expr;
(do (string/p "write")
  [e <- expr/p]
  (string/p ";")
  (pure (list 'write e)))
; goto id;
(do (string/p "goto")
  [identifier <- id/p]
  (string/p ";")
  (pure (list 'goto identifier)))
; gosub id;
(do (string/p "gosub")
  [identifier <- id/p]
  (string/p ";")
  (pure (list 'gosub identifier)))
; return;
(do (string/p "return")
  (string/p ";")
  (pure 'return))
; break;
(do (string/p "break")
  (string/p ";")
  (pure 'break))
; end;
(do (string/p "end")
```

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))
Why do I get this error
Line: Attempting to parse label: #<void>
Line: Attempting to parse stmt: (read A)
Line: Attempting to parse linetail: #<void>
Linelist: Attempting to parse line: ((#<void>) (read A) #<void>)
Line: Attempting to parse label: #<void>
Expr: Attempting to parse identifier: B
Line: Attempting to parse stmt: (write (B #<void>))
Line: Attempting to parse linetail: #<void>
Linelist: Attempting to parse line: ((#<void>) (write (B #<void>)) #<void>)
Line: Attempting to parse label: goto
string:3:6: parse error
 unexpected: 5
 expected: ' ', break, end, gosub, goto, if, letter, read, return, while, whitespace, or write
3 | goto: 5+y;
I just realized the problem was I was trying to use a reserved word as a label
Thank you for helping me. Can you please provide some sample input files
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Every file needs to end with \$\$, can you add those in

(string/p ";") (pure 'end))