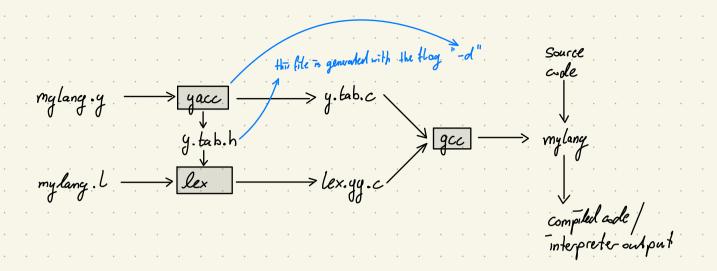


lex/yacc



yacc input

First part

Production action

Third part

yacc - first part

- C declaration enclosed in 7. { % }
 gace definitions
 % start (olerates the starting Nontermonal of the growman)
 % token (olefae different types of token that are coming back from the leaved analysis)
 % union (we could have different types of token that are ging to be returned, so union definition is used to return totans of different types)
 % type (to represent the types the totans can be)

yacc - productions.

- The middle section represents a grammar a set of productions.

 The left-hand side of a production is followed by a colon, and a right hand side.
- . Maltiple right-hand sides may follow separated by a 1'.
- · Actions associated with a rule one entered in braces.
- \$1, \$2...\$n can refer to the values associated with symbols
- . \$\$ refer to the value on the Left (or the Non-terminal)
- · Every symbol has a value associated with it (including then and non-terminals)
- Default action:

 \$\$ = \$1 (the value on the left gets assigned to the first value in parallection)

yacc - third part

- · contains valid Code that supports the language processing.
 - . often contains a symbol table implementation (that is used to bego track of the different types of identifiers that we encounter in the source wall)
 - · functions that might be called by actions associated with the productions in the second part.