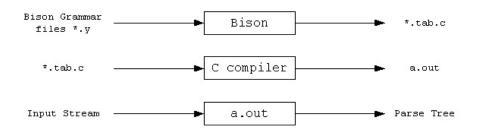
Bison

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Bison

- Bison is a parser generator
- Bison is a bottom-up parser
- Accepts LALR(1) grammars and emits a C program to parse that grammar



Format of the input file

```
% {
    C Declarations
    % }
    Bison Declarations
    % Grammar Rules
    % 
Additional C Code
```

- Useful Bison definitions: %token, %union, %type, %left, %right, %nonassoc, ...
- Important data structures and functions: yylval, YYSTYPE,
 yyerror(), yyparse()

Compiling the program

Assume that the flex file is p1.1 and the bison file is p1.y. The compilation steps are: