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cd ../english/
english$ swipl -s code_English.prolog
% Janus 1.5.2 embeds Python 3.13.13 (main, Apr 8 2026, 18:23:14) [Clang 21.0.0 (clang-2100.0.123.102)]
Manual & tutorial: https://sandway.arizona.edu Sandiway Fong (2024,2025,2026)
Run: ?- parse(List,S,L). (; for more answers)
List = [.,words] (input), S0 = syntactic object (output) L = [.] spellout (output)
See derivation: ?- report. (<- after parse/3) ?- summary. (short)
for a long report ?- retract(no_fill).
Welcome to SWI-Prolog (threaded, 64 bits, version 10.0.2)
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For online help and background, visit https://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

% Interactive session; added `.` to Python `sys.path`
24 ?- parse(['John',likes,'Mary'],S,L).

Words: John likes Mary
Initial WS: Mary like_0 v_like:0:pres INFL_v:3sg John
INT/EXT: {C, {INFL_v:3sg, {John, {v_like:0:pres, {like_0, Mary}}}}}
EXT: John 3sg pres like Mary
Spellout: John likes Mary
Parse found!
S = {C, {INFL_v:3sg, {John, {v_like:0:pres, {like_0, Mary}}}}},
L = [John,likes,Mary] ;

INT/EXT: {C, {INFL_v:3sg, {Mary, {v_like:0:pres, {like_0, John}}}}}
EXT: Mary 3sg pres like John
Spellout: Mary likes John
Blocked: inconsistent with input!
false.

25 ?- report.

REPORT LENGTH: 25
true.

26 ?-

(See file output.html)

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[Right triangle ▶ may be expanded, down triangle ▼ to close. Button ⤴ = tree pop-up. X = close pop-up.]

► **Help:** blue = parse found inside. **Abbreviations:** WS: Workspace; SO: Syntactic Object; IA/EA: Internal/External Argument; INT/EXT: ⤴ interface SO post-Merge/FormCopy; Initial WS: heads that may *project* after LEX word lookup. ...

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Words: John likes Mary
▼ Initial WS 1: Mary like_0 v_like:0:pres INFL_v:3sg John
  ▼ WS 1: {like_0, Mary} v_like:0:pres INFL_v:3sg John
    WS 2: {v_like:0:pres, {like_0, Mary}} INFL_v:3sg John
    WS 3: {John, {v_like:0:pres, {like_0, Mary}}} INFL_v:3sg
    WS 4: {INFL_v:3sg, {John, {v_like:0:pres, {like_0, Mary}}}}
    Final WS: {C, {INFL_v:3sg, {John, {v_like:0:pres, {like_0, Mary}}}}}
INT/EXT: ⤴ {C, {INFL_v:3sg, {John, {v_like:0:pres, {like_0, Mary}}}}}
EXT: John 3sg pres like Mary
Spellout: John likes Mary
Parse found: John likes Mary
  ▼ WS 1: {like_0, John} Mary v_like:0:pres INFL_v:3sg
    WS 2: {v_like:0:pres, {like_0, John}} Mary INFL_v:3sg
    WS 3: {Mary, {v_like:0:pres, {like_0, John}}} INFL_v:3sg
    WS 4: {INFL_v:3sg, {Mary, {v_like:0:pres, {like_0, John}}}}
    Final WS: {C, {INFL_v:3sg, {Mary, {v_like:0:pres, {like_0, John}}}}}
INT/EXT: ⤴ {C, {INFL_v:3sg, {Mary, {v_like:0:pres, {like_0, John}}}}}
EXT: Mary 3sg pres like John
Spellout: Mary likes John
Blocked: inconsistent with input!
  ► WS 1: {Mary,John} like_0 v_like:0:pres INFL_v:3sg

```