

# SWI-Prolog Example

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# Rule file 생성

- parents.pl 파일로 저장

```
male(tom).  
male(peter).  
male(doug).  
female(susan).  
parent(doug,susan).  
parent(tom,william).  
parent(doug,david).  
parent(doug,tom).  
grandfather(GP,GC) :- male(GP), parent(GP, X), parent(X, GC).
```

- Prompt에서
  - [parents]. 입력후 엔터 → 규칙 loading

# SWI-Prolog Test Queries

- `parent(X,tom).`
- `parent(X,Y).`
- `grandparent(X,Y).`
- ...

# SWI-Prolog 실행 예

```
SWI-Prolog (AMD64, Multi-threaded, version 7.6.0)
File Edit Settings Run Debug Help
Welcome to SWI-Prolog (threaded, 64 bits, version 7.6.0)
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
Please run ?- license. for legal details.

For online help and background, visit http://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- [parents].
true.
?- parent(X,tom).
X = doug.

?- parent(X,Y).
X = doug,
Y = susan ;
X = tom,
Y = william ;
X = doug,
Y = david ;
X = doug,
Y = tom.

?- grandfather(X,Y).
X = doug,
Y = william.

?- female(david).
false.

?- █
```

규칙 loading

