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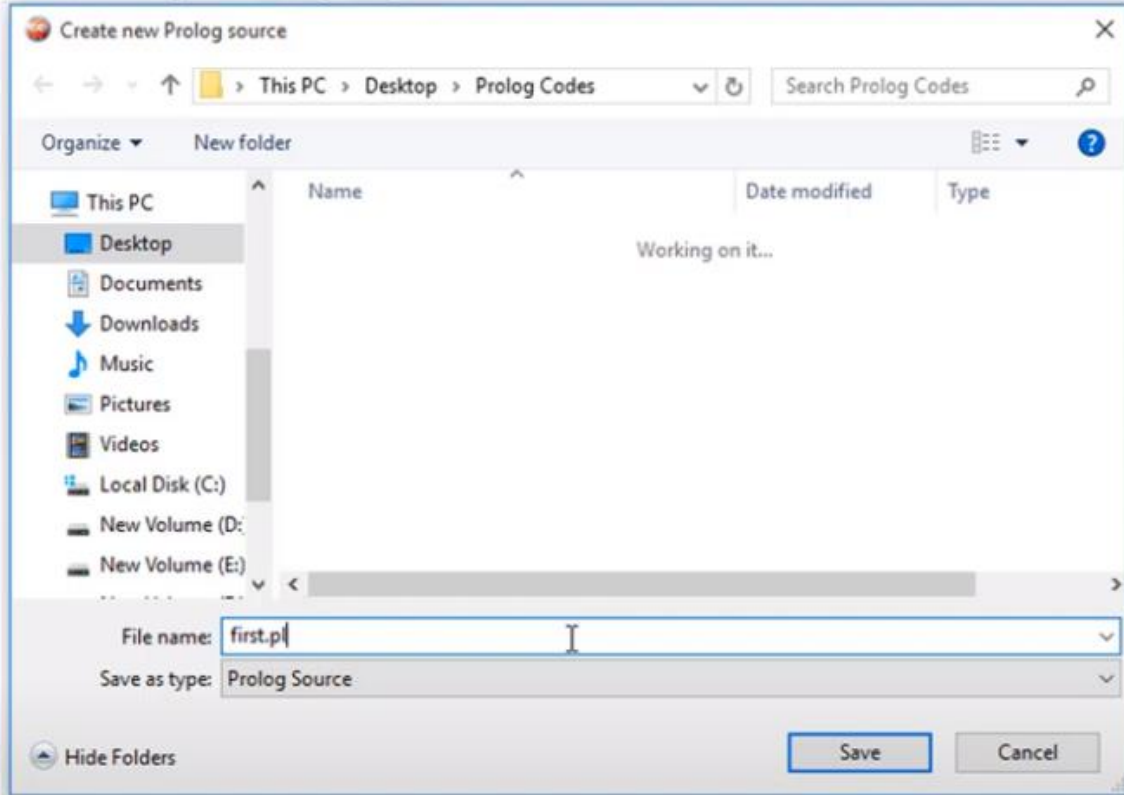
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`?-`

`I`

# Query section



file >> new

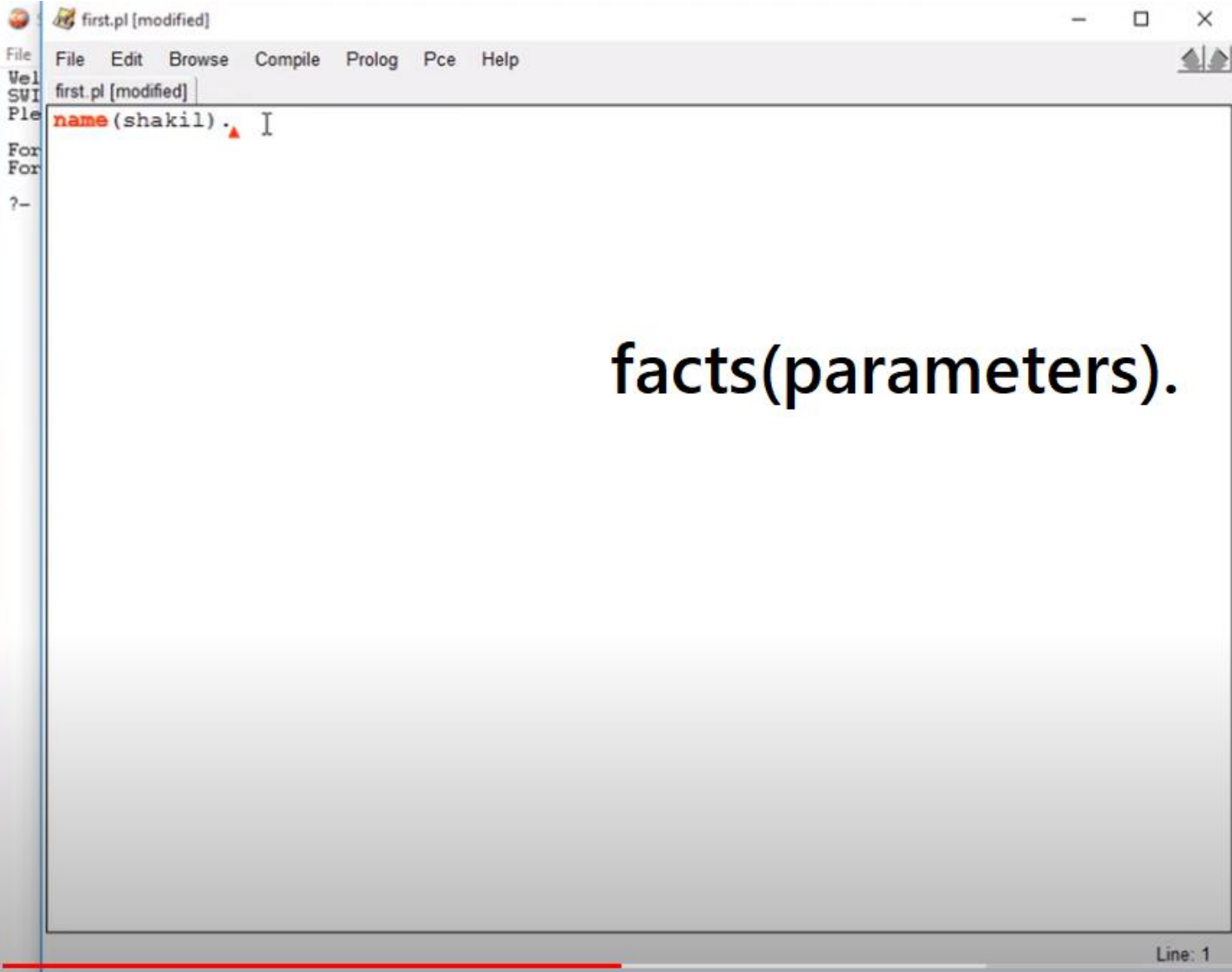


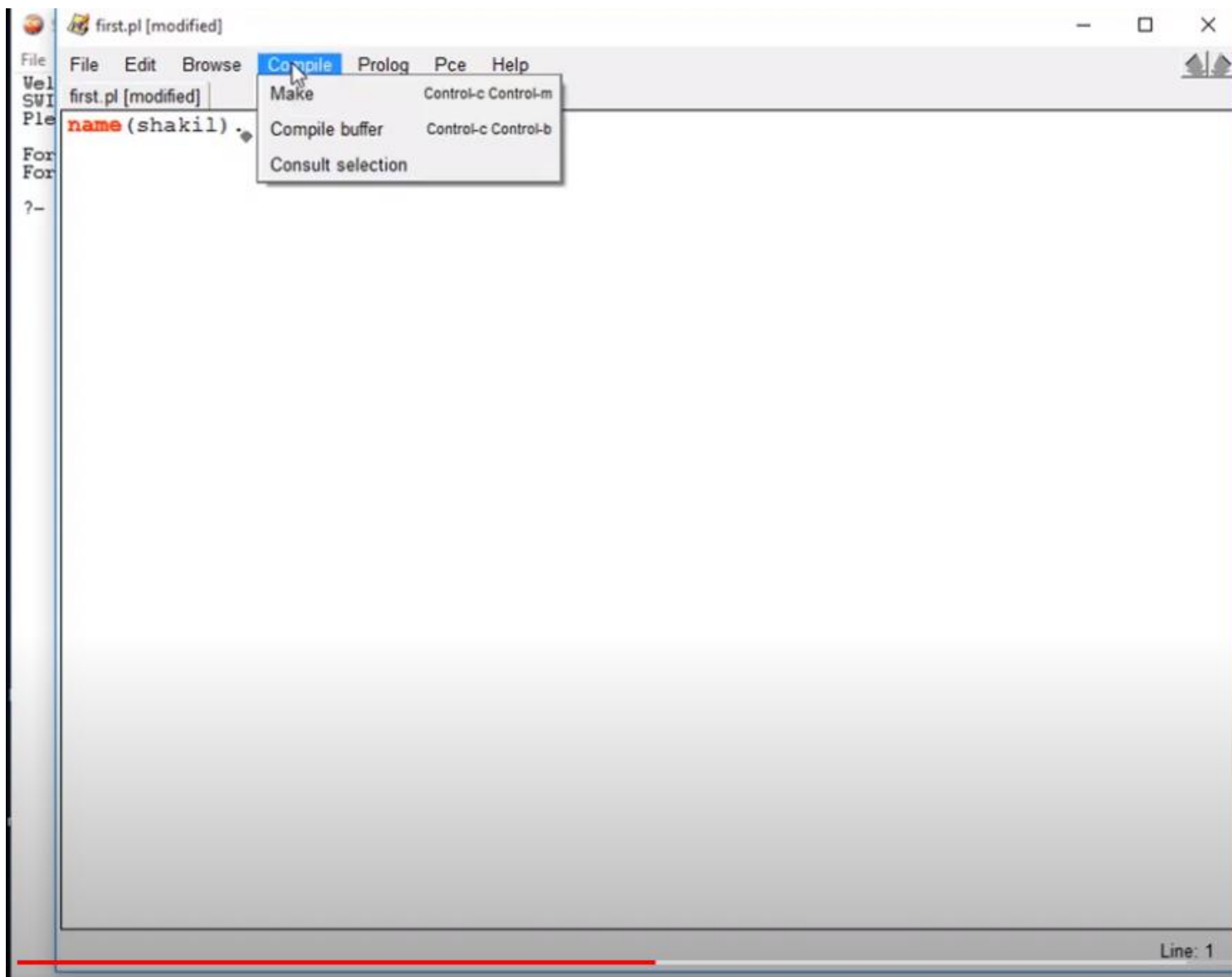
Knowledge Base

All information store here

Line: 1

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first.pl

```
File Edit Browse Compile Prolog Pce Help
first.pl
name(shakil).
```

c:/users/rashedul alam/desktop/prolog codes/first.pl compiled

SWI-Prolog (AMD64, Multi-threaded, version 8.0.3)

```
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For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- name(shakil).
true.
?-
I
```

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first.pl

```
File Edit Browse Compile Prolog Pce Help
first.pl
name(shakil).
```

c:\users\rashedul alam\desktop\prolog codes\first.pl compiled

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```
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For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- name(shakil).
true.
?-
```

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Knowledge Base



Query Section

first.pl

```
File Edit Browse Compile Prolog Pce Help
first.pl
name(shakil).
name(satcho).
```

c:\users\rashedul alam/desktop/prolog codes/first.pl compiled

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

?- name(shakil).
true.

?- name(satcho).
false.

?-
% c:\users\rashedul alam/desktop/prolog codes/first compiled 0.00 sec, 1 clauses
?- name(satcho).
true.

?-
```

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```
first.pl
File Edit Browse Compile Prolog Pce Help
first.pl
name(shakil).
name(satcho).
man(adam).
girl(jerry).
like(blue).
like(adam,pizza).
like(satcho,banana).
eat(adam,apple).
```

c:\users\rashedul alam\desktop\prolog codes\first.pl compiled

```
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For built-in help, use ?- help(Topic). or ?- apropos(Word).

?-
ERROR: [Thread pce] c:/users/rashedul alam/desktop/prolog codes/first.pl
error: Operator expected
ERROR: [Thread pce] c:/users/rashedul alam/desktop/prolog codes/first.pl
error: Operator expected
% c:/users/rashedul alam/desktop/prolog codes/first compiled 0.00 sec, 1
% c:/users/rashedul alam/desktop/prolog codes/first compiled 0.00 sec, 0
?-
| name(shakil).
true.

?- name(satcho).
true.

?-
% c:/users/rashedul alam/desktop/prolog codes/first compiled 0.00 sec, 0
?-
| like(adam,pizza).
true.

?- like(adam,pizza).
ERROR: Type error: 'dict' expected, found 'adam' (an atom)
ERROR: In:
ERROR: [11] throw(error(type_error(dict,adam),_1130))
ERROR: [9] 'dicts': '.'(adam,pizza,_1170) at c:/program files/swipl/b
46
ERROR: [8] '<asta-call>'(user:{.....}) <foreign>
ERROR: [7] <user>
ERROR:
ERROR: Note: some frames are missing due to last-call optimization.
ERROR: Re-run your program in debug mode (:- debug.) to get more detail.
?-
% c:/users/rashedul alam/desktop/prolog codes/first compiled 0.00 sec, 0
?-
| like(adam, pizza).
true.

?-
% c:/users/rashedul alam/desktop/prolog codes/first compiled 0.00 sec, 0
% c:/users/rashedul alam/desktop/prolog codes/first compiled 0.00 sec, 0
?-
| like(adam,burger).
false.

?- eat(adam,apple).
true.
```

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var3.pl

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```
parent(pam,bob).  
parent(tom,bob).  
parent(tom,liz).  
parent(bob,ann).  
parent(pat,jim).  
parent(tom,kim).  
parent(bob,pat).
```

```
graph LR  
  pam --> bob  
  tom --> bob  
  tom --> liz  
  bob --> ann  
  bob --> pat  
  pat --> jim
```

c:/users/rashedul alam/desktop/prolog codes/var3.pl compiled

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For built-in help, use ?- help(Topic). or ?- apropos(Word).

```
?- parent(bob,ann).  
true.  
  
?- parent(tom,liz).  
true.  
  
?- parent(tom,loz).  
false.  
  
?-
```

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var3.pl

```
File Edit Browse Compile Prolog Pce Help
var3.pl
parent(pam,bob).
parent(tom,bob).
parent(tom,liz).
parent(bob,ann).
parent(pat,jim).
parent(tom,kim).
parent(bob,pat).
```

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```
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For built-in help, use ?- help(Topic). or ?- apropos(Word).

?- parent(bob,ann).
true.

?- parent(tom,liz).
true.

?- parent(tom,loz).
false.

?- parent(tom,X).
X = bob ;
X = liz ;
X = kim.

?- parent(A,bob).
A = pam ;
A = tom.

?-
```

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# STUDY MART

Consider the following Facts:

FatherOf(joe, paul).

FatherOf(joe, mary).

MotherOf(jane, paul).

MotherOf(jane, mary).

male(paul).

male(joe).

female(mary).

female(jane).

1. Check whether the following statements are true or false through Prolog query

- a. Paul is Joe's Father
- b. Jane is Mary's mother
- c. Mary is male.
- d. Paul is male



2. Find out the following people:
  - a. Joe's children
  - b. Jane's children
  - c. Male family members
  - d. Female family members

2. Find out the following people:
- a. Joe's children
  - b. Jane's children
  - c. Male family members
  - d. Female family members

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For built-in help, use ?- help(Topic). or ?- apropos(Word).

```
?-  
|   fatherOf(paul,joe).  
false.
```

```
?- motherOf(jane,mary).  
true.
```

```
?- male(mary).  
false.
```

```
?- male(paul).  
true.
```

```
?- █
```

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2. Find out the following people:
- a. Joe's children
  - b. Jane's children
  - c. Male family members
  - d. Female family members

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For built-in help, use `?- help(Topic).` or `?- apropos(Word).`

```
?-  
|   fatherOf(paul,joe).  
false.
```

```
?- motherOf(jane,mary).  
true.
```

```
?- male(mary).  
false.
```

```
?- male(paul).  
true.
```

```
?- fatherOf(joe,Child).  
Child = paul ;  
Child = mary.
```

```
?- motherOf(jane,X).  
X = paul ;  
X = mary.
```

```
?- male(Male).  
Male = paul ;  
Male = joe.
```

```
?- female(X).  
X = mary ;  
X = jane.
```

```
?- █
```

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## Conjunction: (or , and)

### Facts are given below:

emperor(turza,simulation).

emperor(sadhin, html).

emperor(udoy,sleep).

emperor(rajesh,love).

emperor(minhaj,superman).

emperor(turza,css).

emperor(tanu,deeplearning).

emperor(bipro,css).

emperor(munna,html).

emperor(tanvir,poet).

emperor(arif,math).

likes(ismail,dating).

likes(rajesh,dating).

likes(minhaj,photograph).

### Questions:

1. Who are the emperor of HTML and CSS?
2. Who are the emperor of HTML or CSS?
3. Who are the emperor of love and likes dating?
4. Show all the characteristics of minhaj.

I

End of document ■

```
con1.pl [modified]
File Edit Browse Compile Prolog Pce Help
con1.pl [modified]
emperor(turza,simulation).
emperor(sadhin,html).
emperor(udoy,sleep).
emperor(rajesh,love).
emperor(minhaj,superman).
emperor(turza,css).
emperor(tanu,deeplearning).
emperor(bipro,css).
emperor(munna,html).
emperor(tanvir,poet).
emperor(arif,math).
likes(ismail,dating).
likes(rajesh,dating).
likes(minhaj,photograph).
emperor(sadhin,
```

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

?-
% c:/users/rashedul alam/desktop/prolog codes/con1 compiled 0.02 s
lauses
?-
| eaperor(X,html),eaperor(X,css).
false.
?-
```

## Questions:

1. Who are the emperor of HTML and CSS?
2. Who are the emperor of HTML or CSS?
3. Who are the emperor of love and likes dating?
4. Show all the characteristics of minhaj.



```
con1.pl
File Edit Browse Compile Prolog Pce Help
con1.pl
emperor(turza,simulation).
emperor(sadhin,html).
emperor(udoy,sleep).
emperor(rajesh,love).
emperor(minhaj,superman).
emperor(turza,css).
emperor(tanu,deeplearning).
emperor(bipro,css).
emperor(sadhin,css).
emperor(munna,html).
emperor(tanvir,poet).
emperor(arif,math).
likes(ismail,dating).
likes(rajesh,dating).
likes(minhaj,photograph).
```

## Questions:

1. Who are the emperor of HTML and CSS?
2. Who are the emperor of HTML or CSS?
3. Who are the emperor of love and likes dating?
4. Show all the characteristics of minhaj.

```
SWI-Prolog (AMD64, Multi-threaded, version 8.0.3)
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For online help and background, visit http://www.swi-prolog.org
For built-in help, use ?- help(Topic). or ?- apropos(Word).

?-
% c:/users/rashedul alam/desktop/prolog codes/con1 compiled 0.02 s
lauses
?-
|   eaperor(X,htal),emperor(X,css).
false.

?-
Warning: c:/users/rashedul alam/desktop/prolog codes/con1.pl:15:
Clauses of emperor/2 are not together in the source-file
Earlier definition at c:/users/rashedul alam/desktop/pro
es/con1.pl:1
Current predicate: likes/2
Use :- discontiguous emperor/2. to suppress this message
% c:/users/rashedul alam/desktop/prolog codes/con1 compiled 0.00 s
lauses
% c:/users/rashedul alam/desktop/prolog codes/con1 compiled 0.00 s
clauses
?-
|   eaperor(X,htal),emperor(X,css).
X = sadhin .

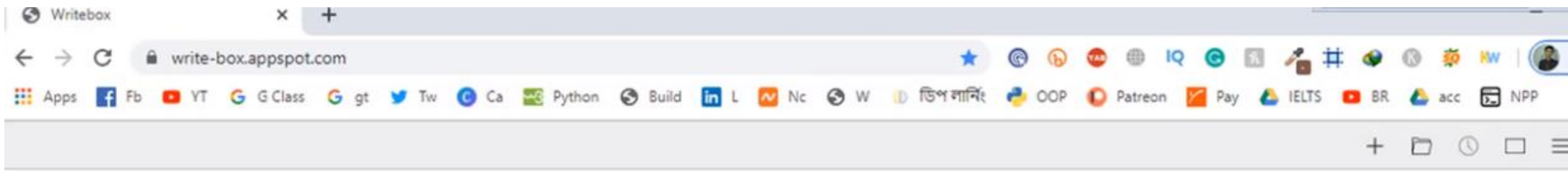
?- eaperor(X,htal);emperor(X,css).
X = sadhin ;
X = munna ;
X = turza ;
X = bipro ;
X = sadhin.

?- emperor(X,love),likes(X,dating).
X = rajesh.

?- emperor(minhaj,X):likes(minhaj,X).
X = superman ;
X = photograph.

?- eaperor(minhaj,X),likes(minhaj,X).
```

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Anonymous = ' \_ '

variable

[con1.pl](http://con1.pl)

File Edit Browse Compile Prolog Pce Help

con1.pl

```
emperor (turza, simulation) .
emperor (sadhin, html) .
emperor (udoy, sleep) .
emperor (rajesh, love) .
emperor (minhaj, superman) .
emperor (turza, css) .
emperor (tanu, deeplearning) .
emperor (bipro, css) .
emperor (sadhin, css) .
emperor (munna, html) .
emperor (tanvir, poet) .
emperor (arif, math) .
likes (ismail, dating) .
likes (rajesh, dating) .
likes (minhaj, photograph) .
```

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```
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```

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

```
?-
% c:/users/rashedul.alam/desktop/prolog codes/cons1 compiled 0.00 s
lauses
```

```
?-
|      emperor(Name,css).
Name = turza ;
Name = bipro ;
Name = sadhin.
```

```
?- emperor(_ ,css).
true ;
true ;
true.
```

```
?- emperor(turza, TOPIC).
TOPIC = simulation ;
TOPIC = css.
```

```
?- emperor(turza._).
true ;
true.
```

2- I

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Line 1

```
rules1.pl
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rules1.pl
sells(mila,egg).
sells(joni,apple).
sells(john,bread).
buys(niloy,egg).
buys(tony,bread).
mila_sells(X):-buys(niloy,X).
▲
```

Questions:

- (a). Mila Sells Anything That Niloy Buys.
- (b). Tony Buys From Anyone Who Sells Bread.

```
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For built-in help, use ?- help(Topic). or ?- apropos(Word).

?-
% c:/users/rashedul_alam/desktop/prolog_codes/rules1 compiled 0.00 s
clauses
?-
|   sells(mila,X),buys(niloy,X).
X = egg.

?- buys(tony,bread),sells(X,bread).
X = john.

?-
% c:/users/rashedul_alam/desktop/prolog_codes/rules1 compiled 0.00 s
clauses
?-
|   mila_sells
```

```
sells(mila,egg).
sells(joni,apple).
sells(john,bread).
buys(niloy,egg).
buys(tony,bread).
mila_sells(X):-buys(niloy,X).
tony_buys(X):-sells(X,bread).
```

### Questions:

- (a). Mila Sells Anything That Niloy Buys.
- (b). Tony Buys From Anyone Who Sells Bread.

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For built-in help, use ?- help(Topic). or ?- apropos(Word).

```
?-
% c:/users/rashedul alam/desktop/prolog codes/rules1 compiled 0.00 s
clauses
?-
|   sells(mila,X),buys(niloy,X).
X = egg.

?- buys(tony,bread),sells(X,bread).
X = john.

?-
% c:/users/rashedul alam/desktop/prolog codes/rules1 compiled 0.00 s
clauses
?-
|   mila_sells(X).
X = egg.

?-
% c:/users/rashedul alam/desktop/prolog codes/rules1 compiled 0.02 s
clauses
?-
|   tony_buys(X).
X = john.

?-
```



```

father(shohidul,satcho).
father(jamal,shohidul).
father(rahman,jamal).
father(someone,rahman).
% grandfather(jamal,satcho):-father(jamal,shohidul),(shohidul,satcho).
grandfather(X,Y):-father(X,shohidul),father(shohidul,Y).

```

Questions:

(a). Is Jamal grandfather of Satcho?

(b). What is the name of Sathco's grandfather?

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 For built-in help, use ?- help(Topic). or ?- apropos(Word).

```

?-
% c:/users/rashedul alam/desktop/prolog codes/rules 3 compiled 0.00
0 clauses
?-
| grandfather(jamal,satcho).
ERROR: Undefined procedure: shohidul/0
ERROR: In:
ERROR: [9] shohidul
ERROR: [8] grandfather(jamal,satcho) at c:/users/rashedul alam/de
/prolog codes/rules 3.pl:5
ERROR: [7] <user>
Exception: (9) shohidul ?
% c:/users/rashedul alam/desktop/prolog codes/rules 3 compiled 0.00
-1 clauses
creep
Exception: (8) grandfather(jamal, satcho) ? creep
?- grandfather(jamal,satcho).
ERROR: Undefined procedure: shohidul/0
ERROR: In:
ERROR: [9] shohidul
ERROR: [8] grandfather(jamal,satcho) at c:/users/rashedul alam/de
/prolog codes/rules 3.pl:6
ERROR: [7] <user>
Exception: (9) shohidul ?
% c:/users/rashedul alam/desktop/prolog codes/rules 3 compiled 0.00
0 clauses
randfather(jamal,satcho).goals
[9] shohidul
[8] grandfather(jamal, satcho)
Exception: (9) shohidul ? creep
?- grandfather(jamal,satcho).
true.
?-
I

```



AI Game

AI

SWI-Prolog

Device

Robotics



# Facts

```
male(shohidul).  
fatherOfSatcho(shohidul,satcho).  
DaughterOfShohidul(shohidul,samia).
```



what is the name  
of samia's brother?



satcho



Knowledge  
Base



swi prolog



সাইন ইন করুন

সমস্ত কিছু

ভিডিও

ছবি

সংবাদ

মাপ

আরও

সেটিংস

টুল

প্রায় ৩,৫০,০০০টি ফলাফল (০.৩১ সেকেন্ড)

www.swi-prolog.org • পৃষ্ঠাটি অনুবাদ করুন

## SWI-Prolog

SWI-Prolog offers a comprehensive free Prolog environment. Since its start in 1987, SWI-Prolog development has been driven by the needs of real world ...

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Stable - Versions - Devel

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### SWISH -- SWI-Prolog

Example programs; Prolog

tutorials; SWISH tutorials ...

### Stable

Windows release notes - Unix -

PPA - Reference manual - ...

swi-prolog.org থেকে আরও ফলাফল »

### Getting started

2.1 Getting started quickly. 2.1.1

Starting SWI-Prolog. 2.1.1.1 ...

### Manual

This document is a reference

manual. That means that it ...

### SWI-Prolog documentation

SWI-Prolog package

documentation. SWI-Prolog ...



Looking for results in English?

Change to English

বাংলা রাখুন

ভাষা সেটিংস

## SWI-Prolog

আসল নির্মাতা: Jan Wielemaker

স্টেবল রিলিজ: 8.0.3 / ১৯ জুন, ২০১৯; 7 মাস আগে

প্রিভিউ রিলিজ: 8.1.21 / ২৩ জানুয়ারী, ২০২০; 10 দিন আগে

ভেভেলপার(রা): Jan Wielemaker, Anjo Anjewierden, etc

লাইসেন্স: Simplified BSD, LGPL prior to version 7.3.33

এই ল্যান্ডমার্কের লেখা: সি, প্রোগ্রাম

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Available versions

The **stable** release is infrequently updated. It is fine for running basic Prolog code without surprises. The **development** version is released roughly every two to four weeks. This is the recommended version for developers and users of applications such as [SWISH](#) or [CliaPatris](#). Finally, the **GIT** and **daily** versions are for developers that want to contribute or have immediate access to patches. These versions are generally fine, but occasionally suffer from regression.

- [Stable release](#)
- [Development release](#)
- [Daily builds for Windows](#)
- Browse GIT [repository](#)

Read more about

- Available SWI-Prolog [versions](#)
- Information on [Linux packages and building on Linux](#)

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