

PROLOG file **test.pl**

```
isEven(2,yes).
isOdd(1,yes).
about(myself,dot).
about(myself,mortal).
about(myself,vassel).
```

Console

SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
Please run `?- license.` for legal details.

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

```
?- [PCE warning: @nil/constant: No implementation for: ->event]
[PCE warning: @nil/constant: No implementation for: ->event]
?- isEven(2,yes).
true.
```

```
?- isEven(2,x).
false.
```

```
?- isEven(2,X).
X = yes.
```

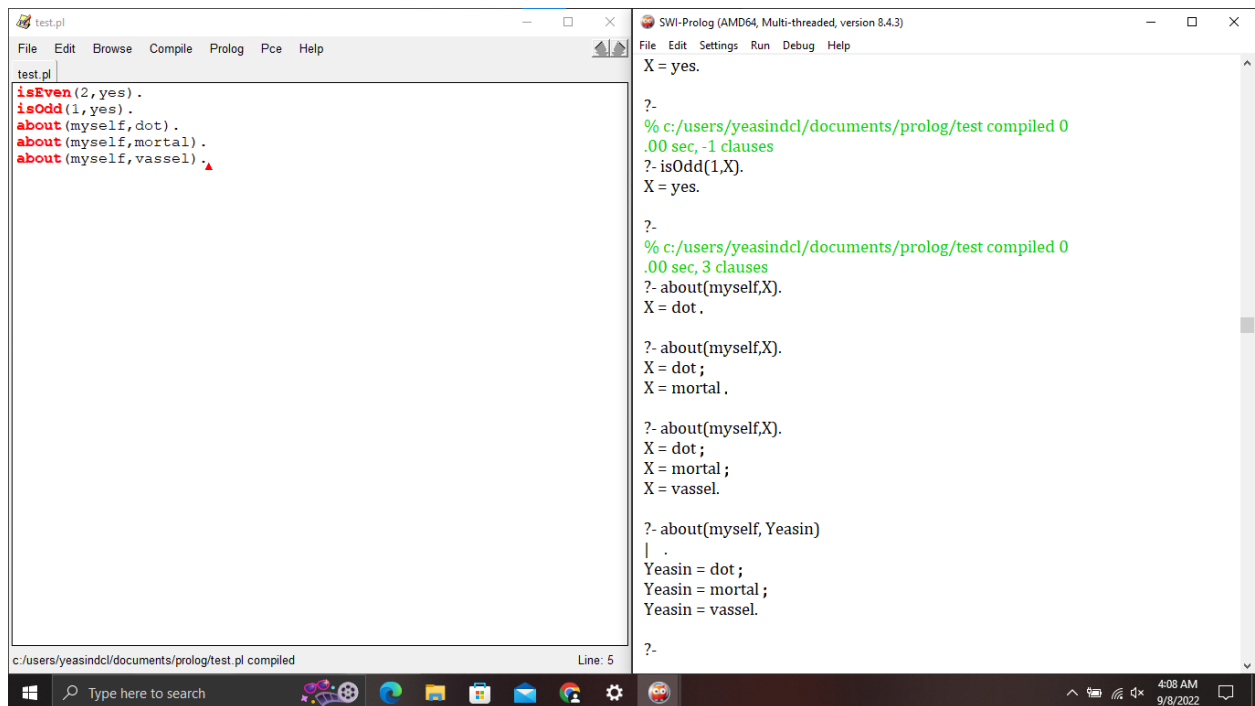
```
?-
% c:/users/yeasindcl/documents/prolog/test compiled 0.00 sec, -1 clauses
?- isOdd(1,X).
X = yes.
```

```
?-
% c:/users/yeasindcl/documents/prolog/test compiled 0.00 sec, 3 clauses
?- about(myself,X).
X = dot .
```

```
?- about(myself,X).
X = dot ;
X = mortal .
```

```
?- about(myself,X).
X = dot ;
X = mortal ;
```

```
X = vassel.  
  
?- about(myself, Yeasin)  
| .  
Yeasin = dot ;  
Yeasin = mortal ;  
Yeasin = vassel.  
  
?-
```



The screenshot shows a Prolog IDE with two windows. The left window, titled 'test.pl', contains the following Prolog code:

```
isEven(2,yes).  
isOdd(1,yes).  
about(myself,dot).  
about(myself,mortal).  
about(myself,vassel).
```

The right window, titled 'SWI-Prolog (AMD64, Multi-threaded, version 8.4.3)', shows the output of the program. It displays the compilation of the test.pl file and the execution of the query 'about(myself, Yeasin)'. The output shows that the query succeeds for 'dot', 'mortal', and 'vassel'.

```
X = yes.  
  
?-  
% c:/users/yeasindcl/documents/prolog/test compiled 0  
.00 sec, -1 clauses  
?- isOdd(1,X).  
X = yes.  
  
?-  
% c:/users/yeasindcl/documents/prolog/test compiled 0  
.00 sec, 3 clauses  
?- about(myself,X).  
X = dot .  
  
?- about(myself,X).  
X = dot ;  
X = mortal .  
  
?- about(myself,X).  
X = dot ;  
X = mortal ;  
X = vassel.  
  
?- about(myself, Yeasin)  
| .  
Yeasin = dot ;  
Yeasin = mortal ;  
Yeasin = vassel.  
  
?-
```

The Windows taskbar at the bottom shows the time as 4:08 AM on 9/8/2022.