

Program 22

Bird can fly or not?

AIM :

To implement a prolog program to check if a bird can fly or not.

PROGRAM :

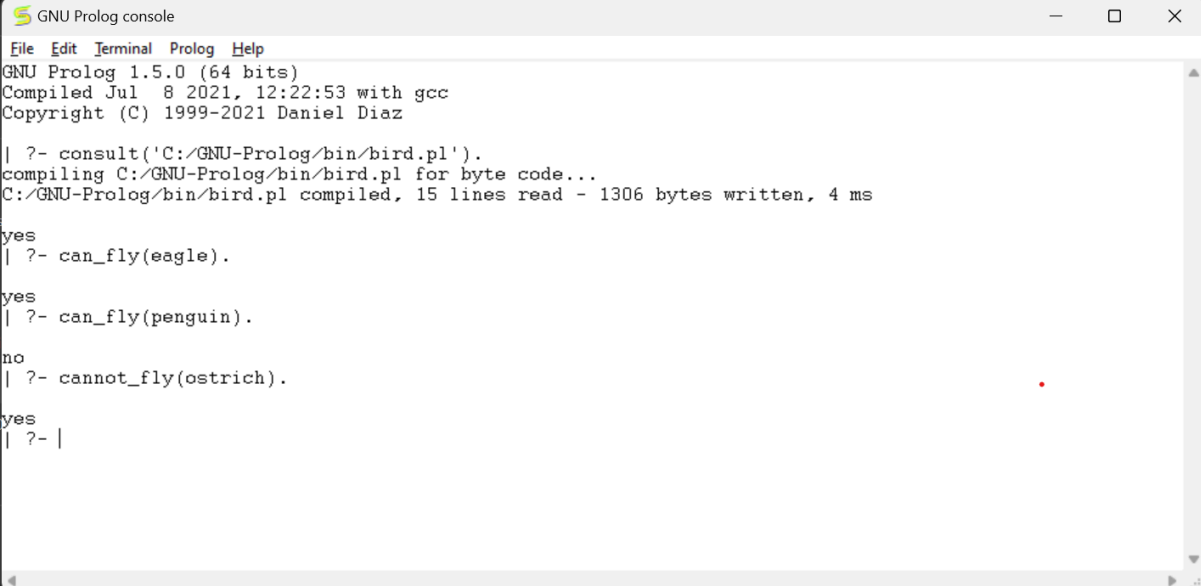
```
bird(eagle).  
bird(penguin).  
bird(ostrich).  
bird(sparrow).  
bird(pigeon).
```

```
flightless_bird(penguin).  
flightless_bird(ostrich).
```

```
can_fly(Bird) :-  
    bird(Bird),  
    \+ flightless_bird(Bird).
```

```
cannot_fly(Bird) :-  
    bird(Bird),  
    flightless_bird(Bird).
```

OUTPUT:



```
GNU Prolog console
File Edit Terminal Prolog Help
GNU Prolog 1.5.0 (64 bits)
Compiled Jul  8 2021, 12:22:53 with gcc
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| ?- consult('C:/GNU-Prolog/bin/bird.pl').
compiling C:/GNU-Prolog/bin/bird.pl for byte code...
C:/GNU-Prolog/bin/bird.pl compiled, 15 lines read - 1306 bytes written, 4 ms

yes
| ?- can_fly(eagle).

yes
| ?- can_fly(penguin).

no
| ?- cannot_fly(ostrich).

yes
| ?- |
```

RESULT:

The Program has successfully been executed.