

EXPERIMENT-31

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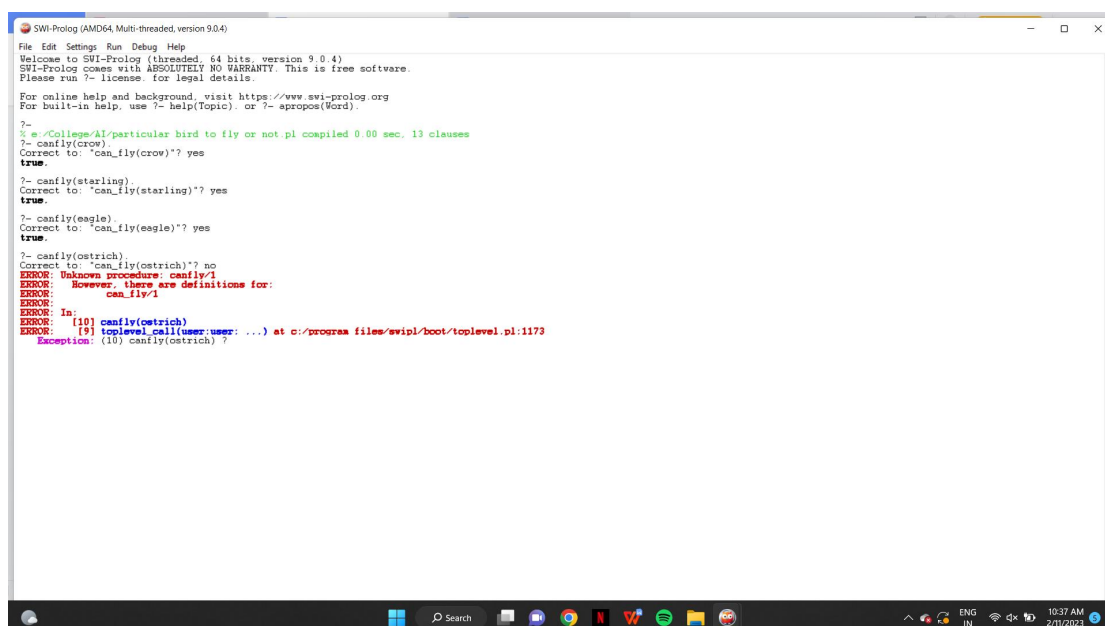
Course: CSA1789 Artificial Intelligence

Q) Write a Prolog Program to print particular bird can fly or not. Incorporate required queries.

Program:

```
bird(sparrow).
bird(eagle).
bird(duck).
bird(crow).
bird(ostrich).
bird(puffin).
bird(swan).
bird(albatross).
bird(starling).
bird(owl).
bird(kingfisher).
bird(thrush).
can_fly(X):-bird(X).
can_fly(ostrich):-fail.
```

OUTPUT:



```
File Edit Settings Run Debug Help
Welcome to SWI-Prolog (threaded, 64 bits, version 9.0.4)
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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).

?-
?- e-/College/ai/particular bird to fly or not.pl compiled 0.00 sec, 13 clauses
?- can_fly(crow).
Correct to: "can_fly(crow)"? yes
true.
?- can_fly(starling).
Correct to: "can_fly(starling)"? yes
true.
?- can_fly(eagle).
Correct to: "can_fly(eagle)"? yes
true.
?- can_fly(ostrich).
Correct to: "can_fly(ostrich)"? no
ERROR: Unknown procedure: can_fly/1
ERROR: However, there are definitions for:
ERROR:     can_fly/1
ERROR:
ERROR: In:
ERROR: [10] can_fly(ostrich)
ERROR: [9] toplevel_call(user: user: ...) at c:/program files/swi/pl/boot/toplevel.pl:1173
Exception: (10) can_fly(ostrich) ?
```

