

Program 24

Dieting system based on disease

AIM :

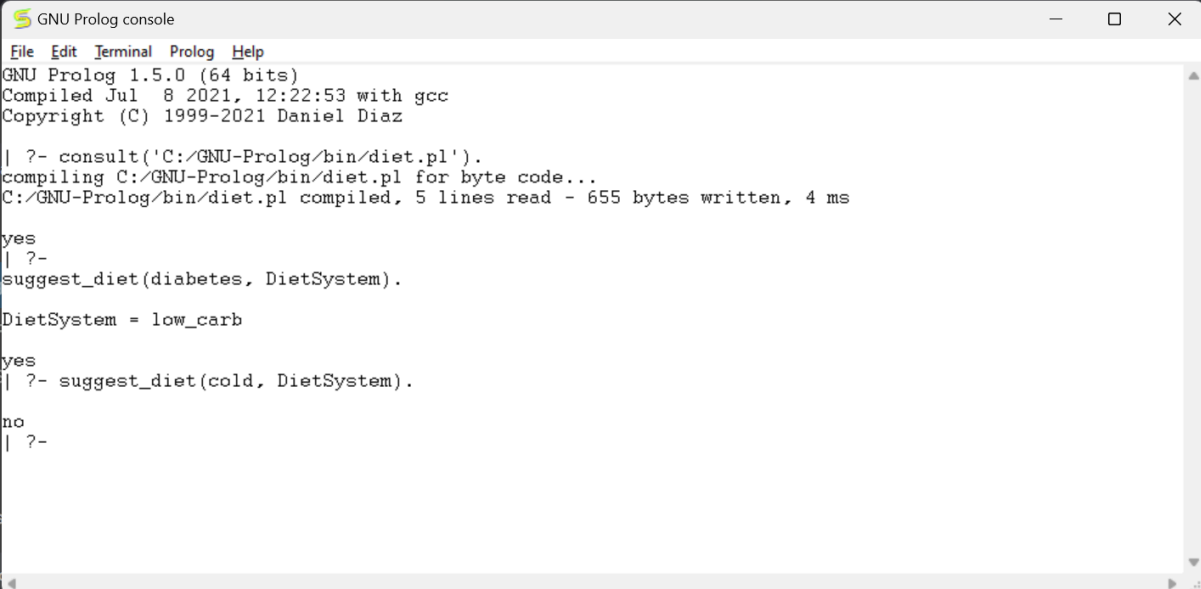
To implement a prolog program to suggest dieting system based on disease

PROGRAM :

```
disease(diabetes, 'low_carb').  
disease(heart_disease, 'low_fat').  
disease(high_blood_pressure, 'low_sodium').
```

```
suggest_diet(Disease, DietSystem) :-  
    disease(Disease, DietSystem).
```

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  
Copyright (C) 1999-2021 Daniel Diaz  
  
| ?- consult('C:/GNU-Prolog/bin/diet.pl').  
compiling C:/GNU-Prolog/bin/diet.pl for byte code...  
C:/GNU-Prolog/bin/diet.pl compiled, 5 lines read - 655 bytes written, 4 ms  
  
yes  
| ?-  
suggest_diet(diabetes, DietSystem).  
  
DietSystem = low_carb  
  
yes  
| ?- suggest_diet(cold, DietSystem).  
  
no  
| ?-
```

RESULT:

The Program has successfully been executed.