

## Program 20

### Planet database

#### AIM :

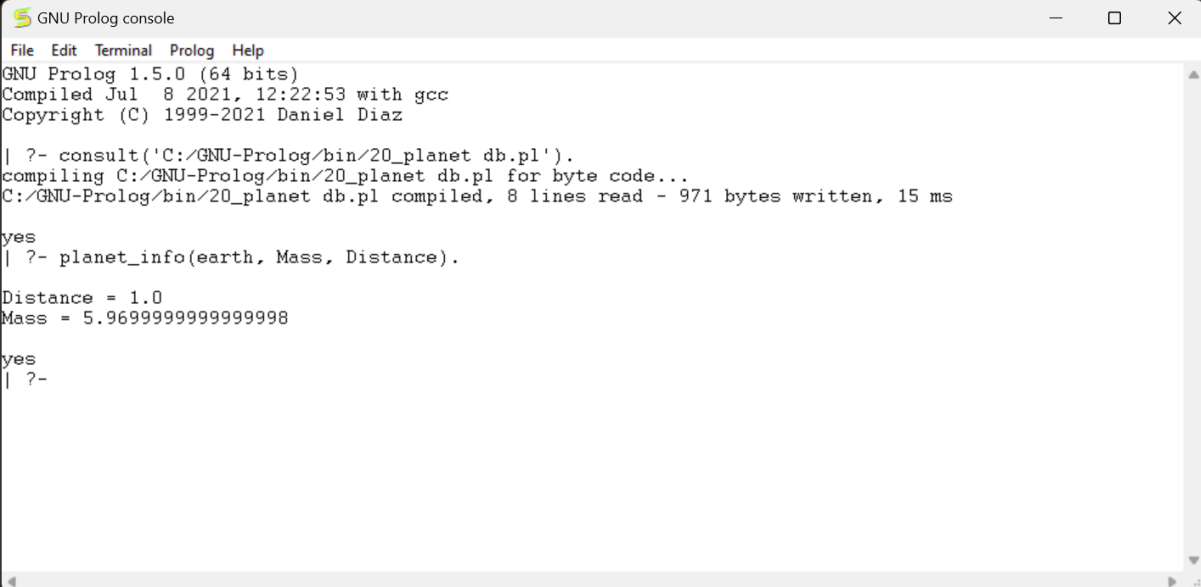
To implement a prolog program for planet databases.

#### PROGRAM :

```
% Define planets and their properties
planet(mercury, 4.87, 0.39).
planet(venus, 4.2, 0.72).
planet(earth, 5.97, 1.00).
planet(mars, 0.642, 1.52).
```

```
planet_info(Name, Mass, Distance) :-
    planet(Name, Mass, Distance).
```

#### 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/20_planet db.pl').
compiling C:/GNU-Prolog/bin/20_planet db.pl for byte code...
C:/GNU-Prolog/bin/20_planet db.pl compiled, 8 lines read - 971 bytes written, 15 ms

yes
| ?- planet_info(earth, Mass, Distance).

Distance = 1.0
Mass = 5.9699999999999998

yes
| ?-
```

#### RESULT:

The Program has successfully been executed.