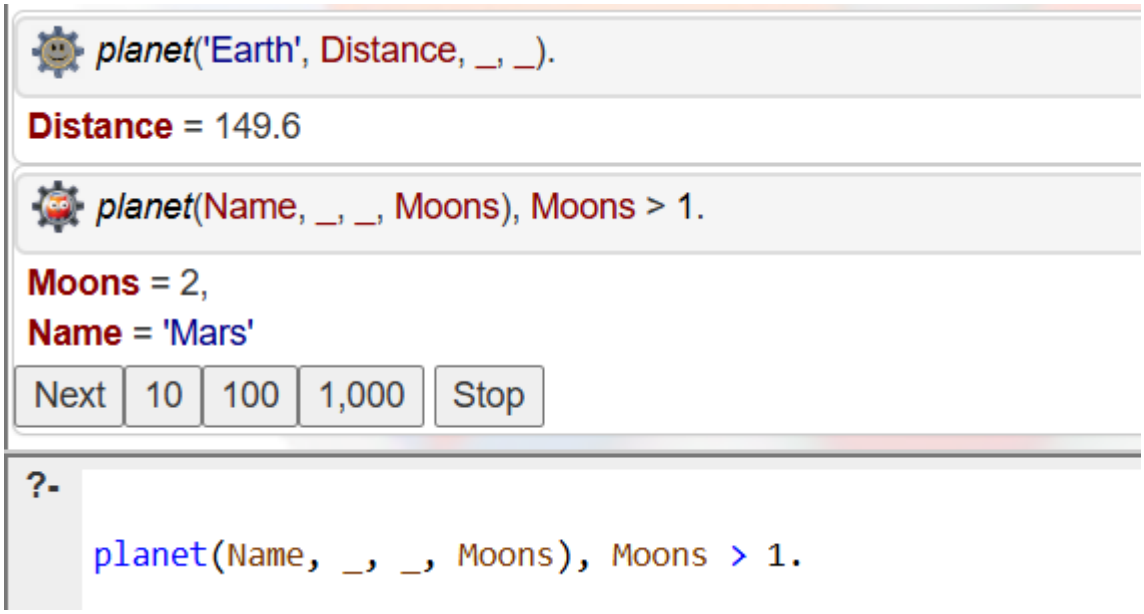
EXPERIMENT:20 Write a Prolog Program for PLANETS DB.

PROGRAM:

```
% planet(Name, DistanceFromSun_million_km, Diameter_km, Moons).

planet('Mercury', 57.9, 4879, 0).
planet('Venus', 108.2, 12104, 0).
planet('Earth', 149.6, 12742, 1).
planet('Mars', 227.9, 6779, 2).
planet('Jupiter', 778.6, 139820, 95).
planet('Saturn', 1433.5, 116460, 83).
planet('Uranus', 2872.5, 50724, 27).
planet('Neptune', 4495.1, 49244, 14).
```

OUTPUT:



```
Accuracy: 1.0
|--- petal width (cm) <= 0.80
|   |--- class: 0
|--- petal width (cm) >  0.80
|   |--- petal length (cm) <= 4.75
|   |   |--- petal width (cm) <= 1.65
|   |   |   |--- class: 1
|   |   |--- petal width (cm) >  1.65
|   |   |   |--- class: 2
|   |--- petal length (cm) >  4.75
|   |   |--- petal width (cm) <= 1.75
|   |   |   |--- petal length (cm) <= 4.95
|   |   |   |   |--- class: 1
|   |   |   |--- petal length (cm) >  4.95
|   |   |   |   |--- petal width (cm) <= 1.55
|   |   |   |   |   |--- class: 2
|   |   |   |   |--- petal width (cm) >  1.55
|   |   |   |   |   |--- petal length (cm) <= 5.45
|   |   |   |   |   |   |--- class: 1
|   |   |   |   |   |--- petal length (cm) >  5.45
|   |   |   |   |   |   |--- class: 2
|   |   |--- petal width (cm) >  1.75
|   |   |   |--- petal length (cm) <= 4.85
|   |   |   |   |--- sepal width (cm) <= 3.10
|   |   |   |   |   |--- class: 2
|   |   |   |   |--- sepal width (cm) >  3.10
|   |   |   |   |   |--- class: 1
|   |   |   |--- petal length (cm) >  4.85
|   |   |   |   |--- class: 2



...Program finished with exit code 0
Press ENTER to exit console.
```