

EXPERIMENT:24 Write a Prolog Program to suggest Dieting System based on Disease.

PROGRAM:

```
% diet(Disease, SuggestedDiet)
```

```
diet(diabetes, 'Low sugar, high fiber, whole grains, leafy vegetables').
```

```
diet(hypertension, 'Low sodium, more fruits, vegetables, lean protein').
```

```
diet(obesity, 'Low fat, high protein, more vegetables, calorie control').
```

```
diet(anemia, 'Iron-rich foods like spinach, beetroot, red meat').
```

```
diet(heart_disease, 'Low cholesterol, omega-3 fatty acids, whole grains').
```

```
diet(kidney_disease, 'Low protein, low sodium, low potassium foods').
```

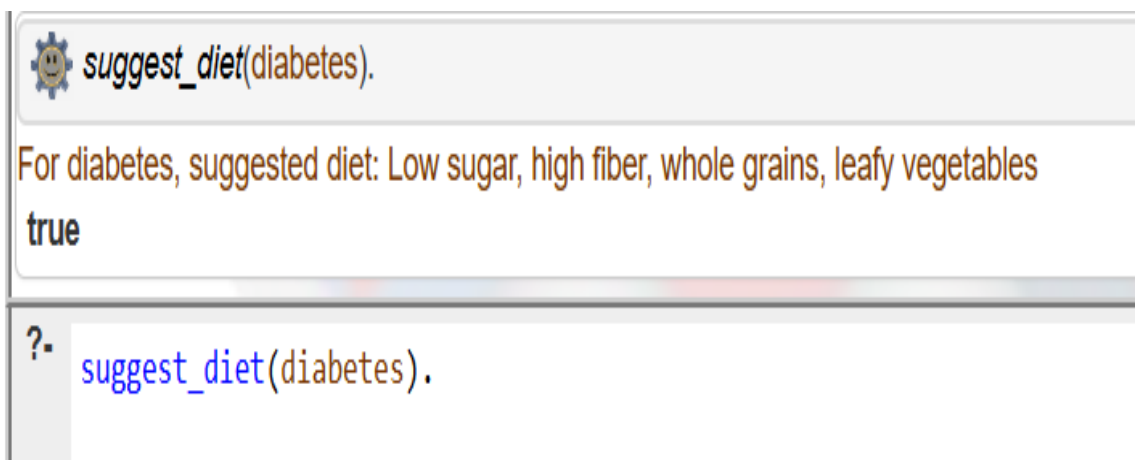
```
% Rule to suggest diet
```

```
suggest_diet(Disease) :-
```

```
    diet(Disease, DietPlan),
```

```
    write('For '), write(Disease), write(', suggested diet: '), write(DietPlan),  
    nl.
```

OUTPUT:



```
? suggest_diet(diabetes).
```

