**Exp24:Write a Prolog Program to suggest Dieting System based on Disease.**

**Input:**

% Diet Suggestion System in Prolog

% Facts: diet(Disease, DietSuggestion)

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

diet(hypertension, 'Low salt, high potassium, fruits, vegetables.').

diet(obesity, 'Low fat, high protein, vegetables, regular exercise.').

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

diet(heart\_disease, 'Low cholesterol, omega-3 fatty acids, whole grains.').

diet(gastritis, 'Avoid spicy foods, eat bland diet, drink plenty of water.').

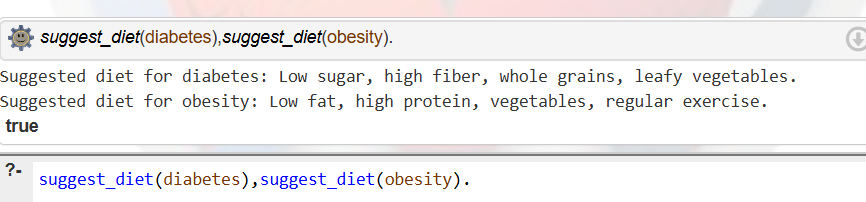
% Rule: suggest diet based on disease

suggest\_diet(Disease) :-

diet(Disease, Suggestion),

format('Suggested diet for ~w: ~w~n', [Disease, Suggestion]).

**Output:**

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