% Facts: disease(DiseaseName, RecommendedDiet)

disease(diabetes, 'Low sugar, high fiber diet').

disease(heart\_disease, 'Low fat, high fiber, low sodium diet').

disease(hypertension, 'Low sodium, high potassium diet').

disease(obesity, 'Low calorie, high protein, low carbohydrate diet').

disease(arthritis, 'Anti-inflammatory diet rich in Omega-3 fatty acids').

% Rule: suggest\_diet(Disease, Diet) :- If Disease is known, suggest the appropriate diet.

suggest\_diet(Disease, Diet) :-

disease(Disease, Diet).

**Output:**

Diet = 'Low sugar, high fiber diet'.