**Exp 28 : Write the prolog program for Medical Diagnosis.**

**Input:**

% Medical Diagnosis Expert System

% Symptoms

symptom(fever).

symptom(cough).

symptom(headache).

symptom(fatigue).

symptom(rash).

symptom(sore\_throat).

% Diseases and their symptom sets

disease(flu, [fever, cough, headache, fatigue]).

disease(cold, [cough, sore\_throat, headache]).

disease(measles, [fever, cough, rash]).

disease(covid19, [fever, cough, fatigue, sore\_throat]).

diagnose(Disease) :-

disease(Disease, Symptoms),

has\_all\_symptoms(Symptoms).

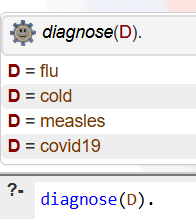
has\_all\_symptoms([]).

has\_all\_symptoms([S|Rest]) :-

symptom(S),

has\_all\_symptoms(Rest).

**Output:**

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