EXPERIMENT-33

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Course: CSA1789 Artificial Intelligence

Q)Write a Prolog Program to suggest Dieting System based on Disease.

```
Program:
domain
disease,indication,name = symbol
predicates
 hypothesis(name, disease)
 symptom(name,indication)
clauses
 symptom(amit,fever).
 symptom(amit,rash).
 symptom(amit,headache).
 symptom(amit,runn_nose).
 symptom(kaushal,chills).
 symptom(kaushal,fever).
 symptom(kaushal,hedache).
 symptom(dipen,runny_nose).
 symptom(dipen,rash).
 symptom(dipen,flu).
 hypothesis(Patient, measels):-
   symptom(Patient,fever),
   symptom(Patient,cough),
   symptom(Patient,conjunctivitis),
   symptom(Patient,rash).
 hypothesis(Patient,german_measles):-
   symptom(Patient,fever),
   symptom(Patient,headache),
   symptom(Patient,runny_nose),
   symptom(Patient,rash).
 hypothesis(Patient,flu):-
   symptom(Patient,fever),
   symptom(Patient,headache),
   symptom(Patient,body_ache),
   symptom(Patient, chills).
 hypothesis(Patient,common_cold):-
   symptom(Patient, headache),
   symptom(Patient, sneezing),
   symptom(Patient,sore_throat),
   symptom(Patient, chills).
```

OUTPUT:

