

## 22. Write the prolog program for Medical Diagnosis Program:

symptom(amit,fever).

symptom(amit,rash).

symptom(amit,headache).

symptom(amit,runny\_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:



SWI-Prolog (AMD64, Multi-threaded, version 8.4.3)



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`?-`

`% c:/users/rohith kumar/onedrive/documents/prolog/medical diagnosis compil`  
`ed 0.00 sec, -2 clauses`

`?- hypothesis(Patient,german_measles).`

`Patient = amit ,`

`?- hypothesis(Patient.measels).`