**(AI) Lab Sheet # 3 Class: MCS**

**OBJECT: TO TEST A SIMPLE DISEASE DIAGNOSIS SYSTEM – A CASE STUDY**

go :-

write(‘What is the name of Patient?’),

read(Patient),nl,

hypo(Patient, Disease),

write(Patient),write(‘ probably has ’),write(Disease),nl.

go:-

write(‘Sorry I am unable to diagnose the Disease.’),nl.

hypo(Patient,flu):-

sym(Patient,fever),

sym(Patient,cough).

hypo(Patient,headche):-

sym(Patient,bodypain).

sym(Patient,fever):-

write(‘ Does ’),write(Patient),write(‘ has fever (y/n)?’),

res(R),

R=’y’.

sym(Patient,cough):-

write(‘Does ’),write(Patient),write(‘ has cough (y/n)?’),

res(R),

R=’y’.

sym(Patient,bodypain):-

write(‘Does ’),write(Patient),write(‘ has bodypain (y/n)?’),

res(R),

R=’y’.

res(R):-

read(R),nl.

**Goal:**

Apply a loop in the above given code so that it will ask, “Do you want to continue? (Y/ N)”

And than act accordingly.

***Hint: make a predicate ‘again/0’ for doing above task.***