

```
:- style_check(-singleton).
:-dynamic wm/1.
```

```
question1):-
    write('What is patient temperature? (answer is a number)'),
    read(Inp),(Inp='stop',abort,!;Inp>38,assertz(wm(temperature)),!;!).
```

```
question2):-
    write('For how many days has the patient been sick? (answer is a number)'),
    read(Inp),(Inp='stop',abort,!;Inp>=2,assertz(wm(sick)),!;!).
```

```
question3):-
    write('Has patient muscle pain? (answer is yes/no)'),
    read(Inp),(Inp='stop',abort,!;Inp='yes',assertz(wm(muscle_pain)),!;!).
```

```
question4):-
    write('Has patient cough? (answer is yes/no)'),
    read(Inp),(Inp='stop',abort,!;Inp='yes',assertz(wm(cough)),!;!).
```

```
read_file(X):-
    seeing(OldStream),see('C:/Users/Sandu/Desktop/input6.txt'),
    read(X),
    read(end_of_file),
    seen,see(OldStream).
```

```
write_file(Out1,Out2,Out3):-
    telling(OldStream),tell('C:/Users/Sandu/Desktop/output6.txt'),
    write(Out1),nl,
    write(Out2),nl,
    write(Out3),nl,
    told,tell(OldStream).
```

```
questions:- question1,question2,question3,question4.
```

```
asses([]).
asses([H|T]):-wm(H),asses(T).
```

```
my_if(R):- /*if*/ R=[H|_],asses(H).
```

```
my_then(R):- /*then*/ R=[_|T],T=[[H|_|_],\+wm(H),assertz(wm(H))].
```

```
run(File):-member(R,File), my_if(R),my_then(R),run(File),\+wm(pneumonia);!.
```

```
show(Out):-findall(X, wm(X), Out).
```

```
diagnostic):-wm(pneumonia),write('YES'),nl,!;write('NO'),nl,!
```

```
reset_wm):- retractall(wm(_)).
```

```
execute:-
```

```
read_file(File),  
show(Initial),questions,  
show(Questions),run(File),  
show(Done),diagnostic,  
write_file(Initial,Questions,Done),  
reset_wm,  
execute.
```