How I used the knowledge from the expert

First:

we will ask the user about the type of symptoms he is experiencing:

1: Do you have respiratory symptoms?

2: Do you suffer from abdominal pain?

3: Do you suffer from urine pain?

4: other?

And according to the user's choice, we will ask him a set of questions.

Second:

If the user chooses number 1, we will ask him the following questions:

1: Is your temperature higher than 39?

2: Is the duration of the fever more than 3 days?

3: Do you have a cough will?

4: Do you have a dyspnea?

5: Do you have a common cold?

6: Do you have a hemoptysis?

7: Do you have a night sweat?

8: Do you have a sore throat?

IF 1 and 2 and 3 and 4 are True then answer will be “you have a Pneumonia”.

IF 1 and 2 and 5 are True then answer will be “you have a viral”.

IF 1 and 2 and 6 and 7 are True then answer will be “you have a Tuberculosis”.

IF 1 and 2 and 8 are True then answer will be” you have a tonsilitis”.

If the user chooses number 2, we will ask him the following questions:

1: Is your temperature higher than 39?

2: Is the duration of the fever more than 3 days?

3: Do you eat from outside?

4: Do you have a Diarrhea?

5: Do you suffer from vomiting?

IF 1 and 2 and 3 and 4 and 5 are True then answer will be “you have an enteric fever”.

If the user chooses number 3, we will ask him the following questions:

1: Is your temperature higher than 39?

2: Is the duration of the fever more than 3 days?

3: Do you fear the bathroom a lot?

4: Do you have secretions with urine?

5: Do you have blood in your urine?

IF 1 and 2 and 3 and 4 and 5 are True then answer will be “you have a Urinary tract infection”.

If the user chooses number 3, we will ask him the following questions:

1: Is your temperature higher than 39?

2: Is the duration of the fever more than 3 days?

3: Do you have a pain in the neck?

4: Is your neck tight?

5: Do you suffer from vomiting?

6: Do you suffer from severe headaches?

7: Do you suffer from High fever?

8: Do you suffer from jaundice?

9: Does the patient suffer from naseua?

10: Does the patient suffer from Pain in the right part of the abdomen?

11: Do you lose weight?

12: Are you tired?

13: Do you have a night sweat?

14: Do you suffer from lymph denopathy?

15: Do you have discharge from ear?

16: Do you have ear swelling?

17: Is your hearing decreased?

IF 1 and 2 and 3 and 4 and 5 and 6 and 7 are True then answer will be” you have a meningitis”.

IF 1 and 2 and 8 and 9 and 10 are True then answer will be” you have a hepatitis”.

IF 1 and 2 and 11 and 12 and 13 and 14 are True then answer will be “you have a malignancy”.

IF 1 and 2 and 15 and 16 and 17 are True then answer will be “you have an otitis”.