

#ExpertSystem(Py)

```
import math
```

```
print()
print ("Answer the questions in the form: 1->Yes 0-> No")
print ()
s1 = bool(int(input("Sweating? ")))
s2 = bool(int(input("Shivering? ")))
s3 = bool(int(input("Dehydration? ")))
s4 = bool(int(input("Runny Nose? ")))
s5 = bool(int(input("Sore Throat? ")))
s6 = bool(int(input("Weakness? ")))
s7 = bool(int(input("Headache? ")))
s8 = bool(int(input("Vomitting? ")))
s9 = bool(int(input("Nausea? ")))
s10 = bool(int(input("Pale Stool? ")))
s11 = bool(int(input("Itching? ")))
s12 = bool(int(input("Dark Urine? ")))
s13 = bool(int(input("Yellowing of Stool? ")))
s14 = bool(int(input("Pain? ")))

if (s1 == True and s2 == True and s6== True and s12 == True):
    print ("Detected: Fever \n Remedy: Paracetamol, Sleep for 10 hours")
elif (s4 == True and s5 == True and s6== True and s8 == True):
    print ("Detected: Cough \n Remedy: Benedryl, Drink Hot Water")
elif (s8 == True and s10 == True and s12== True and s13 == True):
    print ("Detected: Stomach Infection \n Remedy: Benedryl, Drink Hot Water")
elif (s2 == True and s10 == True and s6== True and s8 == True and s13 == True and s14 ==
True):
    print ("Detected: Jaundice \n Remedy: No home remedy, go to Hospital")
else:
    print ("No Disease Detected. Consult a Doctor!")
print()
```