def symptom\_checker():

"""Simulates a basic symptom checker using Python.

Disclaimer: This is for informational purposes only and should not be used

for self-diagnosis. Consult a medical professional for any health concerns.

"""

symptoms = {

"fever": False,

"cough": False,

"runny\_nose": False,

"sore\_throat": False,

"headache": False,

"muscle\_aches": False,

"fatigue": False,

"diarrhea": False,

"vomiting": False,

"rash": False,

"shortness\_of\_breath": False,

"chest\_pain": False,

"loss\_of\_taste\_or\_smell": False,

"redness\_in\_eyes": False,

"itchy\_skin": False,

"abdominal\_pain": False,

"nausea": False,

"loss\_of\_appetite": False,

"joint\_pain": False,

}

readings = {

"temperature": None, # Can be populated later

"blood\_pressure": None, # Can be populated later

}

physical\_appearance = {

"pale\_skin": False,

"yellowish\_eyes": False,

"swollen\_lymph\_nodes": False,

}

# Ask questions about symptoms

for symptom in symptoms.keys():

answer = input(f"Do you have {symptom}? (yes/no) ").lower()

symptoms[symptom] = answer == "yes"

# Ask for temperature and blood pressure (optional, replace with prompts)

# readings["temperature"] = float(input("Enter your temperature (in Celsius): "))

# readings["blood\_pressure"] = input("Enter your blood pressure (systolic/diastolic): ")

# Ask about physical appearance

for appearance in physical\_appearance.keys():

answer = input(f"Do you have {appearance}? (yes/no) ").lower()

physical\_appearance[appearance] = answer == "yes"

# Basic decision tree (replace with more complex logic as needed)

possible\_conditions = []

# Common cold

if symptoms["cough"] and symptoms["runny\_nose"] and symptoms["sore\_throat"]:

possible\_conditions.append("Common cold")

# Flu

if symptoms["fever"] and symptoms["muscle\_aches"] and symptoms["fatigue"]:

possible\_conditions.append("Flu")

# Food poisoning

if symptoms["diarrhea"] and symptoms["vomiting"] and symptoms["nausea"]:

possible\_conditions.append("Food poisoning")

# Allergy

if symptoms["rash"] and symptoms["itchy\_skin"] and symptoms["redness\_in\_eyes"]:

possible\_conditions.append("Allergy")

# Display results

if len(possible\_conditions) == 0:

print("Based on your answers, it's difficult to determine a possible illness.")

print("It's always best to consult a medical professional for accurate diagnosis.")

else:

print(f"Possible conditions based on your symptoms:")

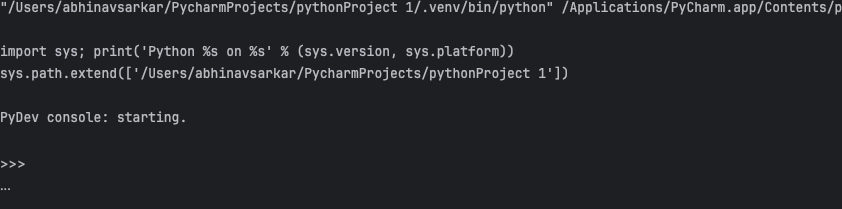
for condition in possible\_conditions:

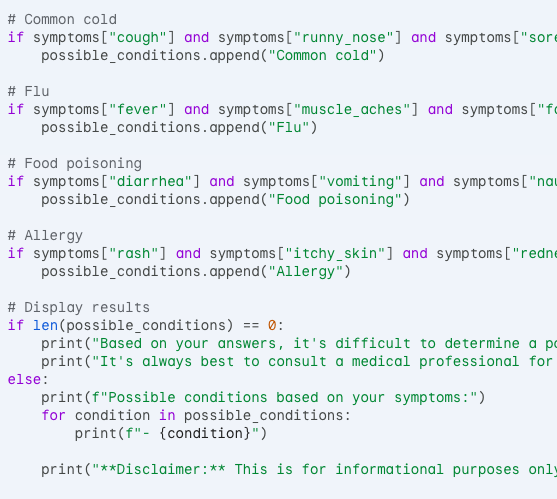
print(f"- {condition}")

print("\*\*Disclaimer:\*\* This is for informational purposes only. Consult a doctor for any health concerns.")

if \_\_name\_\_ == "\_\_main\_\_":

symptom\_checker()





A screenshot of a computer

Description automatically generated