Yogananda School of AI Computers and Data Science

Artificial Intelligence (CSU2219)

PROJECT: Using symbolic Ai create an application for Medical Expert.

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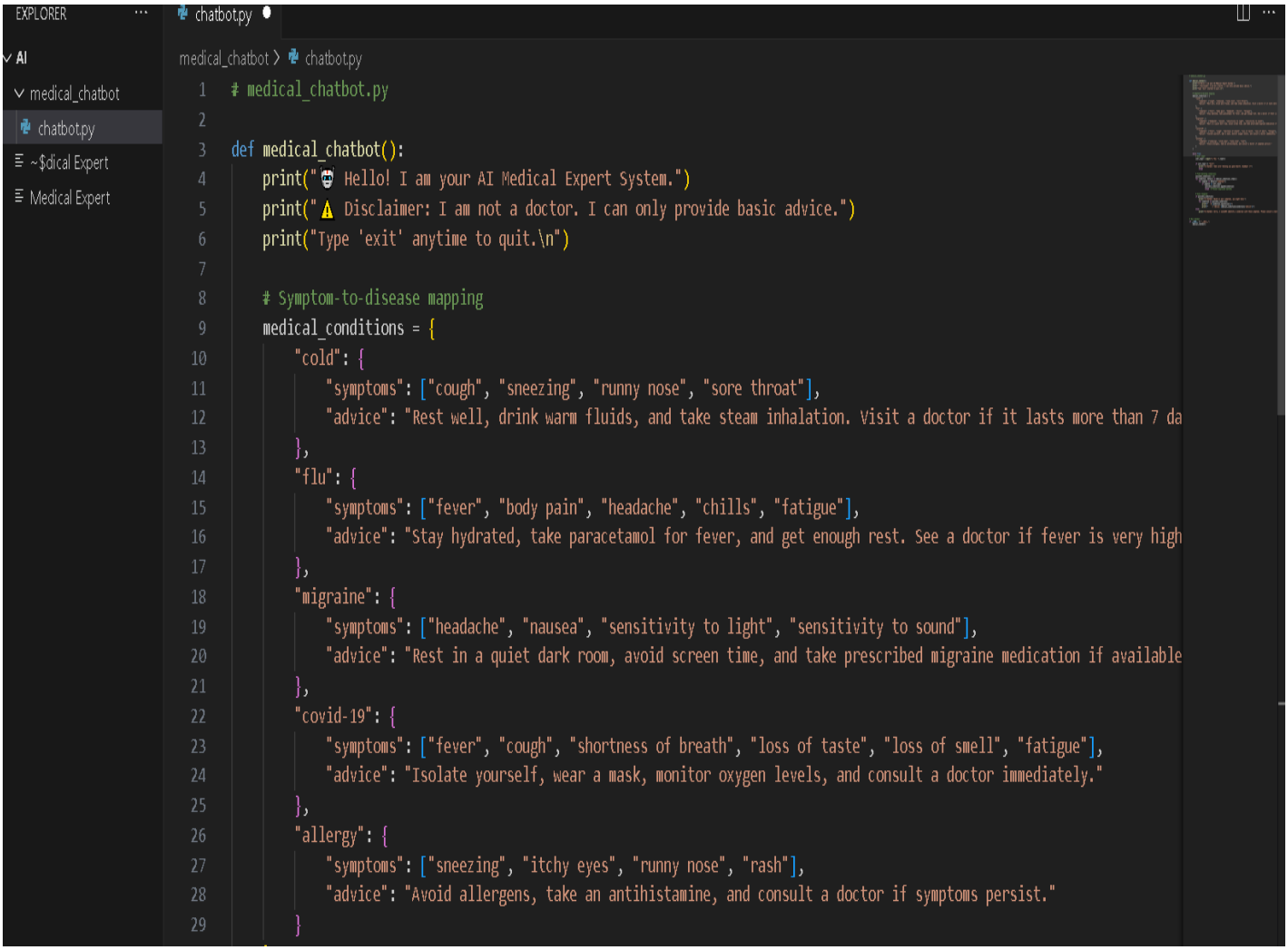
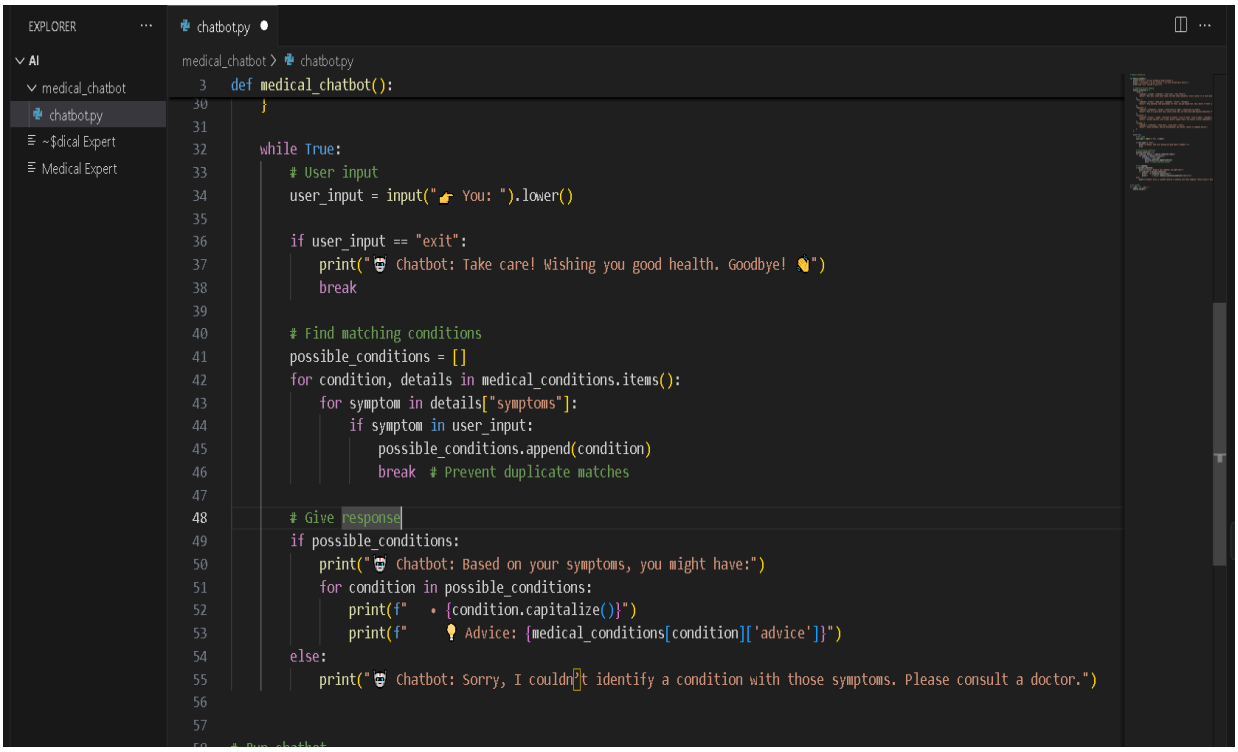
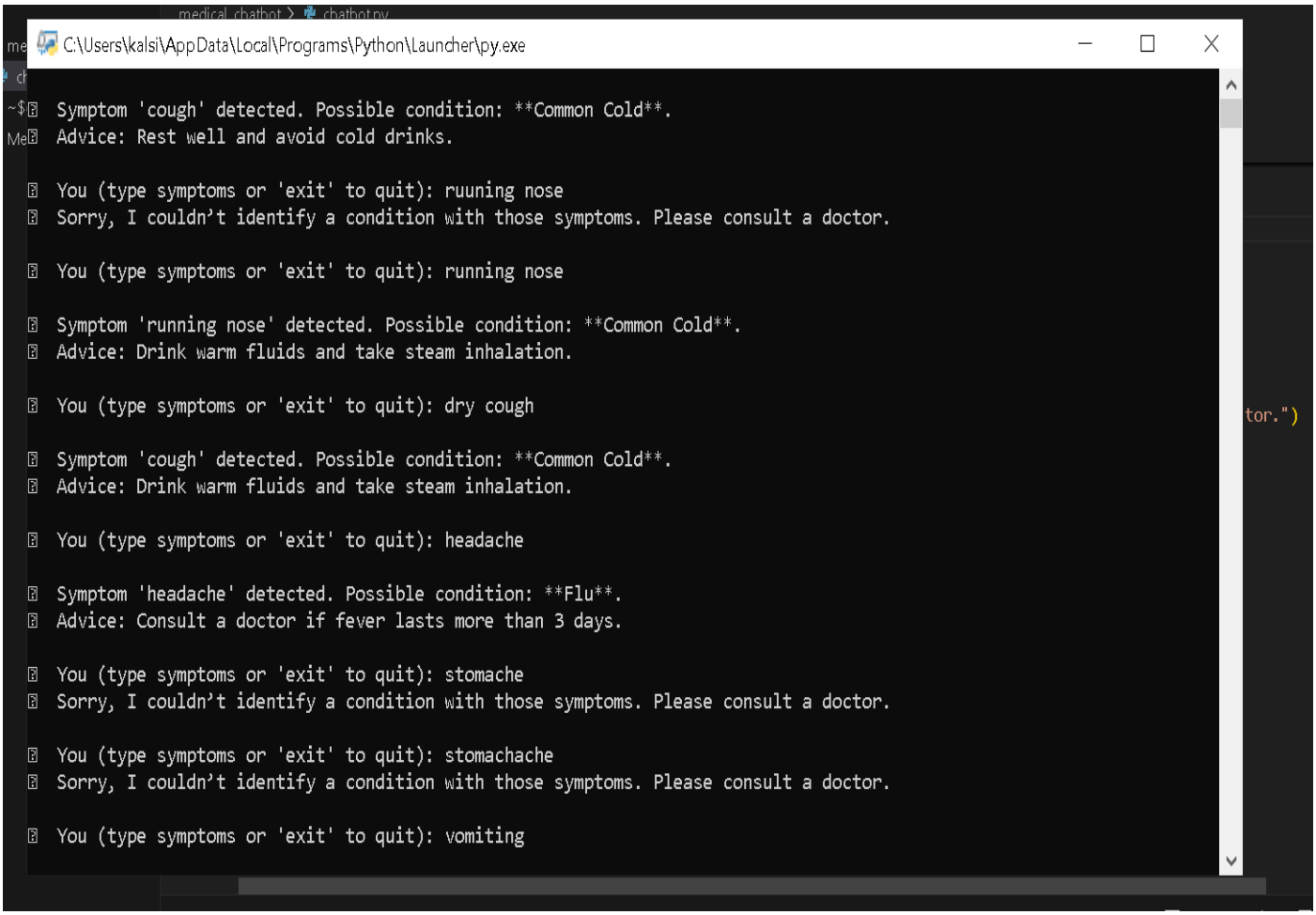
Submitted to : DS Shiva Sir


EXPLORER
chatbot.py
AI
medical_chatbot
chatbot.py
~$dical Expert
Medical Expert
medical_chatbot > chatbot.py
# medical_chatbot.py
def medical_chatbot():
print(" Hello! I am your AI Medical Expert System.")
print(" Disclaimer: I am not a doctor. I can only provide basic advice.")
print("Type 'exit' anytime to quit.\n")
# Symptom-to-disease mapping
medical_conditions = {
"cold": {
"symptoms": ["cough", "sneezing", "runny nose", "sore throat"],
"advice": "Rest well, drink warm fluids, and take steam inhalation. Visit a doctor if it lasts more than 7 da
},
"flu": {
"symptoms": ["fever", "body pain", "headache", "chills", "fatigue"],
"advice": "Stay hydrated, take paracetamol for fever, and get enough rest. See a doctor if fever is very high
},
"migraine": {
"symptoms": ["headache", "nausea", "sensitivity to light", "sensitivity to sound"],
"advice": "Rest in a quiet dark room, avoid screen time, and take prescribed migraine medication if available
},
"covid-19": {
"symptoms": ["fever", "cough", "shortness of breath", "loss of taste", "loss of smell", "fatigue"],
"advice": "Isolate yourself, wear a mask, monitor oxygen levels, and consult a doctor immediately."
},
"allergy": {
"symptoms": ["sneezing", "itchy eyes", "runny nose", "rash"],
"advice": "Avoid allergens, take an antihistamine, and consult a doctor if symptoms persist."
}




```
            print("🤖 Chatbot: Based on your symptoms, you might have:")
            for condition in possible_conditions:
                print(f"  • {condition.capitalize()}")
                print(f"    💡 Advice: {medical_conditions[condition]['advice']}")
        else:
            print("🤖 Chatbot: Sorry, I couldn't identify a condition with those symptoms. Please consult a doctor.")


# Run chatbot
if __name__ == "__main__":
    medical_chatbot()
```


medical_chatbot > chatbot.py
C:\Users\kalsi\AppData\Local\Programs\Python\Launcher\py.exe
Symptom 'cough' detected. Possible condition: **Common Cold**.
Advice: Rest well and avoid cold drinks.
You (type symptoms or 'exit' to quit): ruuning nose
Sorry, I couldn't identify a condition with those symptoms. Please consult a doctor.
You (type symptoms or 'exit' to quit): running nose
Symptom 'running nose' detected. Possible condition: **Common Cold**.
Advice: Drink warm fluids and take steam inhalation.
You (type symptoms or 'exit' to quit): dry cough
Symptom 'cough' detected. Possible condition: **Common Cold**.
Advice: Drink warm fluids and take steam inhalation.
You (type symptoms or 'exit' to quit): headache
Symptom 'headache' detected. Possible condition: **Flu**.
Advice: Consult a doctor if fever lasts more than 3 days.
You (type symptoms or 'exit' to quit): stomache
Sorry, I couldn't identify a condition with those symptoms. Please consult a doctor.
You (type symptoms or 'exit' to quit): stomachache
Sorry, I couldn't identify a condition with those symptoms. Please consult a doctor.
You (type symptoms or 'exit' to quit): vomiting
tor.")