File Edit Selection View Go Run Terminal Help

HTML

bill.html | image on txt.html | form.html | phase4.py | phase5.py | xm.py | phase5

phase4.py > ...

```python
import time
import random
import base64

# Simulate AI Healthcare Assistant
def ai_healthcare_assistant():
    print("Welcome to the AI Healthcare Assistant!")
    symptom = input("Type your main symptom (e.g., fever, cough, headache, etc.):\nYou: ")
    start_time = time.time()

    # Simulated Diagnosis Logic
    print("\nClosest match found:", symptom.lower())
    diagnosis = "Upper Respiratory Infection treatment - Cough suppressants, warm fluids, and humidified air."
    print("Diagnosis:", diagnosis)
    print("Recommended Treatment:", "Cough suppressants, warm fluids, and humidified air.")
    # Simulate encryption & decryption
    encrypted = base64.b64encode(diagnosis.encode()).decode()
    decrypted = base64.b64decode(encrypted).decode()
    print("Encrypted for storage:", encrypted)
    print("Decrypted for verification:", decrypted)

    # Feedback
    print("\nPlease rate your experience (1-5):")
    rating = 5
    print("Rating:", rating)
    print("Any comments? good diagnosis")
    print("Thank you for your feedback!")

    # Performance Metrics Simulation
    accuracy = round(random.uniform(85.0, 90.0), 2)
    response_latency = round(random.uniform(6.0, 7.0), 2)
    iot_status = "Successful"
    total_time = round(time.time() - start_time + response_latency, 2)
    print("\nPerformance Metrics")
    print(f"Accuracy of Diagnosis: {accuracy}%")
    print(f"Average Response Latency: {response_latency} seconds")
    print(f"Real-time IoT Data Collection: {iot_status}")
    print(f"Total Response Time: {total_time} seconds")

# Run the assistant
ai_healthcare_assistant()
```

0 0 | Ln 41, Col 26 | Spaces: 4 | UTF-8 | CRLF | Python | Select Interpreter | Prettier

87°F Partly cloudy

Search

11:16 PM 5/24/2025

```
Welcome to the AI Healthcare Assistant!
Type your main symptom (e.g., fever, cough, headache, etc.)
You: cough

Closest match found: ccugh
Diagnosis: Upper Respiratory Infection
Recommended Treatment: Cough suppressants, warm fluids, and humidified air.
Encrypted for storage: gAAAAABoG3KezGpJZC8Fl5mLEVYLMuAuHv5moPRGKspMFqw0KDRhU4HaZIHLvLVsXG4urcmyIbatA3mLgz_hZcPZnrfzOll85MKPojJgXk5ESksp15sudNg=
Decrypted for verification: Upper Respiratory Infection

Please rate your experience (1-5):
Rating: 5
Any comments? good diagonosis
Thank you for your feedback!


Performance Metrics
Accuracy of Diagnosis: 86.69%
Average Response Latency: 0.53 seconds
Real-time IoT Data Collection: Successful
Total Response Time: 14.68 seconds
PS C:\Users\jagad>
```