



EXPLORER

- EARLY_DISEASE_RISK_PREDICTION
 - backend
 - __pycache__
 - static
 - graph.png
 - run.py
 - app.py
 - health_data1.csv
 - frontend
 - index.html
 - script.js

backend > static > run.py

```
5 print("Starting server...")
6 os.system("python app.py")
7
8 time.sleep(2)
9 webbrowser.open("http://127.0.0.1:5000")
10
```

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 - backend
 - __pycache__
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 - app.py
 - health_data1.csv
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 - index.html
 - script.js
 - style.css
 - Screenshot of output and UI
 - venv
 - Include
 - Lib
 - Scripts

backend > app.py > predict

```
1 from flask import Flask, request, jsonify
2 from flask_cors import CORS
3 import pandas as pd
4 from sklearn.linear_model import LogisticRegression
5 import matplotlib.pyplot as plt
6 import os
7
8 app = Flask(__name__)
9 CORS(app)
10
11
12 DATA_PATH = "health_data1.csv"
13 data = pd.read_csv(DATA_PATH)
14
15
16
17
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS Python - backend

Early Disease Risk Prediction

Age:

BMI:

Sleep (hours):

Sugar Intake (grams/day):

Regular Exercise:



Smoking:



Alcohol:



Married:



Predict Risk

Input Summary

Age: 55

BMI: 27.5

Sleep: 6 hrs

Sugar Intake: 40 g/day

Exercise: Yes

Smoking: Non-Smoker

Alcohol: No

Married: Yes

Predicted Risk: High Risk

Probability: 84.07%

