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import requests
import numpy as np
from flask import Flask, render_template, request,
jsonify

# NOTE: you must manually set API_KEY below using information retrieved from your
IBM Cloud account.
API_KEY =
"UPWRFTFhkvYA6wNCvrVT21hKgkcyyWYJTLut7wa6eSRu"
token_response =
requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey":
 API_KEY,
"grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})
mltoken =
token_response.json()["access_token"]

header = {'Content-Type':
'application/json', 'Authorization': 'Bearer ' + mltoken}

app =
Flask(__name__)

@app.route('/')
def home():
    return
render_template("index.html")


@app.route('/index.html')
def home1():

return render_template("index.html")


@app.route('/new.html')
def home2():

return
render_template("new.html")

@app.route('/login',methods=['POST','GET'])
def
login():
 if request.method == 'POST':
    x=str(request.form['year'])
    x=x.split(',')

  print(x)
    for w in range(0, len(x)):
        x[w]=float(x[w])
    print(x)
    t=[[
[x[0]], [x[1]], [x[2]], [x[3]], [x[4]], [x[5]], [x[6]], [x[7]], [x[8]], [x[9]]]]

payload_scoring = {
    "input_data": [{"field": [["i1"],
["i2"], ["i3"], ["i4"], ["i5"], ["i6"],
["i7"], ["i8"], ["i9"], ["1i0"]]],


   "values":t }]}

    response_scoring =
requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/f73b8e94-628a-4cd8-8a84-a5b5
27eb1468/predictions?version=2022-11-17', json=payload_scoring,
    headers={'Authorization':
'Bearer ' + mltoken})
    print("Scoring response")

print(response_scoring.json())
    predictions=response_scoring.json()

print("predicted value is")
```

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print(predictions['predictions'][0]['values'][0][0])

pred=predictions['predictions'][0]['values'][0][0]

    return
render_template("result.html",result=str(pred))

if __name__=='__main__':

app.run(debug=True, port=5000)
```