FLASK CODE CONNECTED TO IBM

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from flask import Flask,render_template,request
import pickle
from flask import jsonify

import requests

# NOTE: you must manually set API_KEY below using information retrieved from
your IBM Cloud account.
API_KEY = "glk5H9m1tkC8GQkI3jbbXMTNd6WxH18r1QSVsaJS3PuT"
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('/',methods=['GET'])
def Home():
    return render_template('PRAVEEN.html')
@app.route("/predict", methods=['POST'])
def predict():
    if request.method == 'POST':
        Mintemp= request.form['MinTemp']
        Maxtemp=request.form['MaxTemp']
        Rainfall=request.form['Rainfall']
        WindGustSpeed=request.form['WindGustSpeed']
        WindSpeed9am=request.form['WindDir9am']
        WindSpeed3pm=request.form['WindSpeed3pm']
        Humidity9am=request.form['Humidity9am']
        Humidity3pm=request.form['Humidity3pm']
        Pressure9am=request.form['Pressure9am']
        Pressure3pm=request.form['Pressure3pm']
        Temp9am=request.form['Temp9am']
        Temp3pm=request.form['Temp3pm']
        RainToday_No=request.form['RainToday_No']
        RainToday_Yes=request.form['RainToday_Yes']

        X=[[Mintemp,Maxtemp,
Rainfall,WindGustSpeed,WindSpeed9am,WindSpeed3pm,Humidity9am,Humidity3pm,Press
ure9am,Pressure3pm,Temp9am,Temp3pm,RainToday_No,RainToday_Yes]]
```

```
        # NOTE: manually define and pass the array(s) of values to be scored
in the next line
        payload_scoring = {"input_data": [{"fields":[[Mintemp,Maxtemp,
Rainfall,WindGustSpeed,WindSpeed9am,WindSpeed3pm,Humidity9am,Humidity3pm,Press
ure9am,Pressure3pm,Temp9am,Temp3pm,RainToday_No,RainToday_Yes]], "values":X}]}

        response_scoring = requests.post('https://us-
south.ml.cloud.ibm.com/ml/v4/deployments/f1911301-5871-4f55-ab98-
74c525aff418/predictions?version=2022-11-18', json=payload_scoring,
        headers={'Authorization': 'Bearer ' + mltoken})
        print("Scoring response")
        prediction=response_scoring.json()
        print(prediction)
        predict=prediction['predictions'][0]['values'][0][0]

        if predict==0:
            return render_template('PRAVEEN.html',prediction_text="Chance")
        else:
            return render_template('PRAVEEN.html',prediction_text="No Chance")
    else:
        return render_template('PRAVEEN.html')


if __name__=="main":
    app.run(debug=True)
```