Index(['age', 'bmi', 'children', 'female', 'male', 'no', 'yes', 'Diabetes',

'Heart disease', 'High blood pressure', 'None', 'Diabetes',

'Heart disease', 'High blood pressure', 'None', 'Frequently', 'Never',

'Occasionally', 'Rarely', 'Blue collar', 'Student', 'Unemployed',

'White collar', 'Basic', 'Premium', 'Standard'],

dtype='object')

// Send an HTTP request to the backend server

$.ajax({

    type: "POST",

    url: "http://127.0.0.1:5000/estimator",

    data: JSON.stringify(client\_data),

    contentType: "application/json",

    dataType: "json",

    success: function(response) {

      // Process the predicted results

    },

    error: function(xhr, status, error) {

      console.log(xhr.responseText);

    }

});

// Get estimate result

function processResults(response) {

    var prediction = response.estimator;

    // Display the prediction on the frontend

  }

method="POST" action="/estimator" role="form" , name="estimator"

def estimator():

    # Get the client data from "insurance\_estimator.html"

    data = json.loads(request.data)

    # transform data to feature to fit the model

    features = [[data["age"], data["bmi"], data["children"], data["female"], data["male"], data['No'], data["Yes"],  \

                 data['Diabetes'], data['Heart\_disease'], data['High\_blood\_pressure'], data['None'], \

                 data['Family\_Diabetes'], data['Family\_Heart\_disease'], data['Family\_High\_blood\_pressure'], \

                 data['Family\_None'], data['Frequently'], data['exercise\_Never'], data['Occasionally'], data['Rarely'], \

                 data['Blue\_collar'], data['Student'], data['Unemployed'], data['White\_collar'], \

                 data['Basic'], data['Premium'], data['Standard']]]

    # make predition by using model

    estimator = model.predict (features)

    return jsonify({'prediction': estimator[0]})

import joblib

# Load the machine learning model from the .joblib file

model = joblib.load('model\_LinearRegression.joblib')

# create route for model prediction

@app.route('/estimator', methods = ['POST'])