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Batch Code- LISUM23
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Submitted to- Github

1) Creating the Toy data and saving it ("model1.pk1").

```python
data = [
    {"name": "John", "math_score": 90, "science_score": 85, "english_score": 80},
    {"name": "Alice", "math_score": 80, "science_score": 70, "english_score": 75},
    {"name": "Bob", "math_score": 70, "science_score": 80, "english_score": 85},
    # Add more data if needed
]
```

```python
[2] import joblib
from sklearn.linear_model import LinearRegression

# Assuming `X` contains math and science scores, and `y` contains English scores.
X = [[90, 85], [80, 70], [70, 80]]  # Use more data if available
y = [80, 75, 85]  # Corresponding English scores

# Create and train the model
model = LinearRegression()
model.fit(X, y)

# Save the model to a file using joblib
joblib.dump(model, "model.pkl")
```

2) Flask Deployment

```python
import flask
from flask import Flask, request, jsonify
import joblib

app = Flask(__name__)

# Load the model from the file
model = joblib.load("model.pkl")

@app.route("/", methods=["POST"])
def predict():
    data = request.get_json()
    math_score = data["math_score"]
    science_score = data["science_score"]

    # Make a prediction using the loaded model
    english_score = model.predict([[math_score, science_score]])

    return jsonify({"english_score": english_score[0]})

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

Output - It is taking too much time to deploy. I got the IP address but it is taking much time to execute.
There are no such detected error occurred.