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|----------------|------------------------------------|
| Project | Car Resale value prediction |
| Team ID | PNT2022TMID30858 |
| Date | 17 November 2022 |

1 Integrate Flask With Scoring End Point

The screenshot shows a code editor with a Flask application and a console window. The code defines a home route and a y_predict route. The y_predict route takes various form inputs and returns a list of predicted values. The console shows the output of the y_predict function, which is a list of lists, each containing three predicted values.

```

21 def home():
22     return render_template('index.html')
23
24 @app.route('/y_predict', methods=['POST'])
25 def y_predict():
26
27     geography = request.form["geography"]
28     gender = request.form["gender"]
29     age = request.form["age"]
30     tenure = request.form["tenure"]
31     creditscore = request.form["creditscore"]
32
33     balance = request.form["balance"]
34     noof = request.form["no of"]
35     hascreditcard = request.form["has credit card"]
36     isactivemember = request.form["is active member"]
37     estimatedsalary = request.form["estimated salary"]
38
39
40
41     if (geography == "Spain"):
42         s1,s2,s3 = 0,0,1
43     if (geography == "Germany"):
44         s1,s2,s3 = 0,1,0
45     if (geography == "Newyork"):
46         s1,s2,s3 = 0,1,0
47

```

Console Output:

```

[215 282 186]
[204 191 175]
[208 195 179]]

[[175 143 104]
 [188 148 109]
 [177 145 106]
 ...
 [228 207 191]
 [218 197 181]
 [218 197 181]]

[[192 159 126]
 [192 159 126]
 [196 163 130]
 ...
 [211 198 182]
 [211 198 182]
 [226 213 197]]]]
Scoring response <Response [400]>
In [17]:

```

The form is titled "Bank Customer Churn Prediction". It contains several input fields: a dropdown for "geography" (selected: spain), a dropdown for "gender" (selected: yes), a dropdown for "age" (selected: yes), a dropdown for "tenure" (selected: yes), a text input for "creditscore", a text input for "balance", a text input for "no of", a text input for "estimated salary", and a text input for "tenure".

The form is titled "Bank Customer Churn Prediction". It contains several input fields: a dropdown for "geography" (selected: germany), a dropdown for "gender" (selected: no), a dropdown for "age" (selected: yes), a text input for "tenure" (selected: 1), a text input for "creditscore" (selected: 1), a text input for "balance", a text input for "no of", a text input for "estimated salary", a text input for "tenure", and a "Predict" button.

Bank Customer Churn Prediction

| | | | | | | | | |
|-------------|--------|-----|---------|-------|------------------|--------|---------|---|
| spain | | | | | | | | ▼ |
| spain | | | | | | | | ▼ |
| germany | | | | | | | | ▼ |
| newyork | | | | | | | | ▼ |
| yes | | | | | | | | ▼ |
| yes | | | | | | | | ▼ |
| creditscore | gender | age | balance | no of | estimated salary | tenure | Predict | |

{{ prediction_text }}