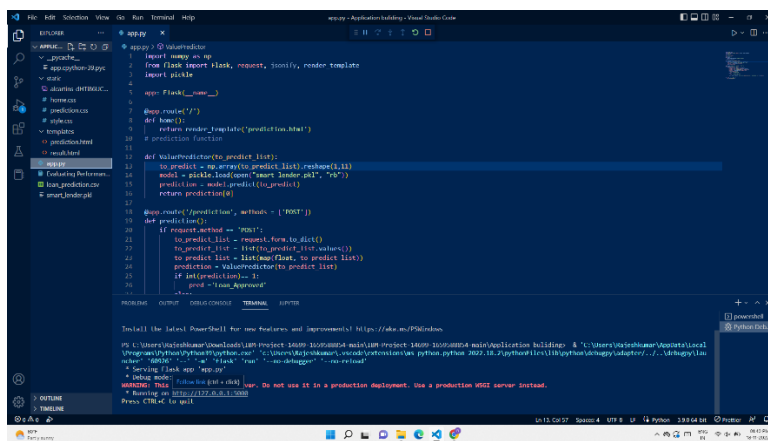


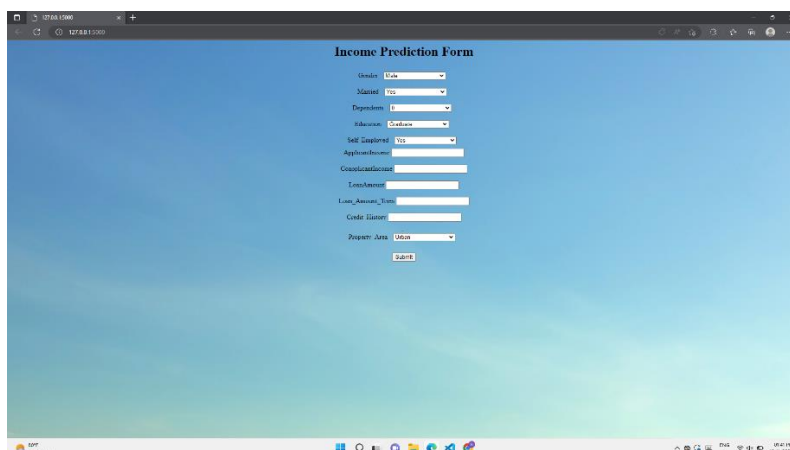
Smart Lender - Applicant Credibility Prediction For Loan Approval

Team ID -PNT2022TMID15942

TESTED OUTPUT:



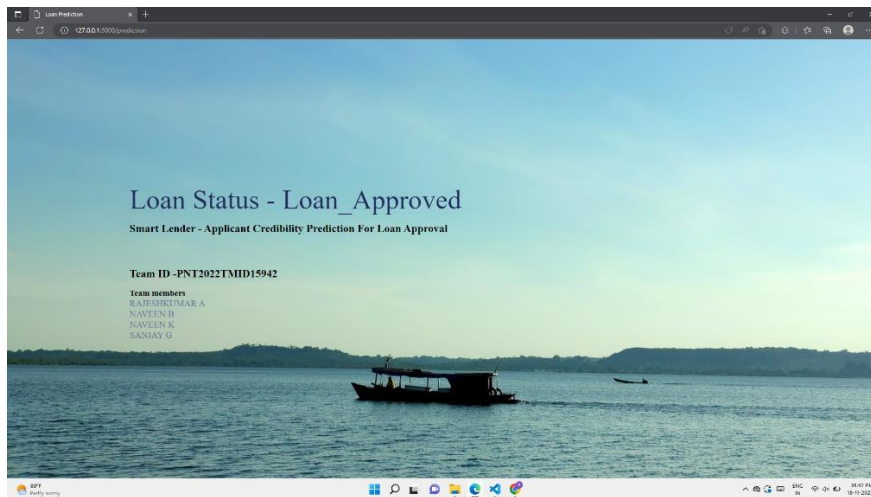
```
1 # Importing libraries
2 import numpy as np
3 from flask import Flask, request, jsonify, render_template
4 import pickle
5
6 # Create an app
7 app = Flask(__name__)
8
9 # Routes
10 @app.route('/')
11 def home():
12     return render_template("prediction.html")
13
14 # Prediction function
15 def predict(request):
16     # Get the input data
17     input_data = request.get_json()
18     # Load the model
19     model = pickle.load(open("smart_lender.pkl", "rb"))
20     # Predict the output
21     prediction = model.predict([input_data])
22     return prediction
23
24 # API endpoint
25 @app.route('/predict', methods = ['POST'])
26 def predict_api():
27     if request.method == 'POST':
28         # Get the input data
29         input_data = request.get_json()
30         # Load the model
31         model = pickle.load(open("smart_lender.pkl", "rb"))
32         # Predict the output
33         prediction = model.predict([input_data])
34         # Return the prediction
35         return jsonify(prediction)
36
37 # Main function
38 if __name__ == '__main__':
39     app.run(debug=True)
```



The screenshot shows a web browser displaying a form titled "Income Prediction Form". The form contains several input fields and dropdown menus for user information and loan details. The fields are as follows:

- Gender:
- Married:
- Dependent:
- Educational:
- Self Employed:
- Applicant Income:
- Credit Card Grossed:
- Loan Amount:
- Credit Limit:
- Property Area:
- DOB:

The form is set against a light blue background with a subtle pattern.



USER TEST CASES:

Gender	Male
Married	No
Dependents	0
Education	Graduate
Self-employed	No
Applicant Income	5849
Co-applicant Income	0.0
Loan Amount	0
Loan_Amount_Term	360.0
Credit_History	1.0
Property_Area	urban

Output:

Yes

