Week 4: Deployment on Flask

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Batch Code: **LISUM21**

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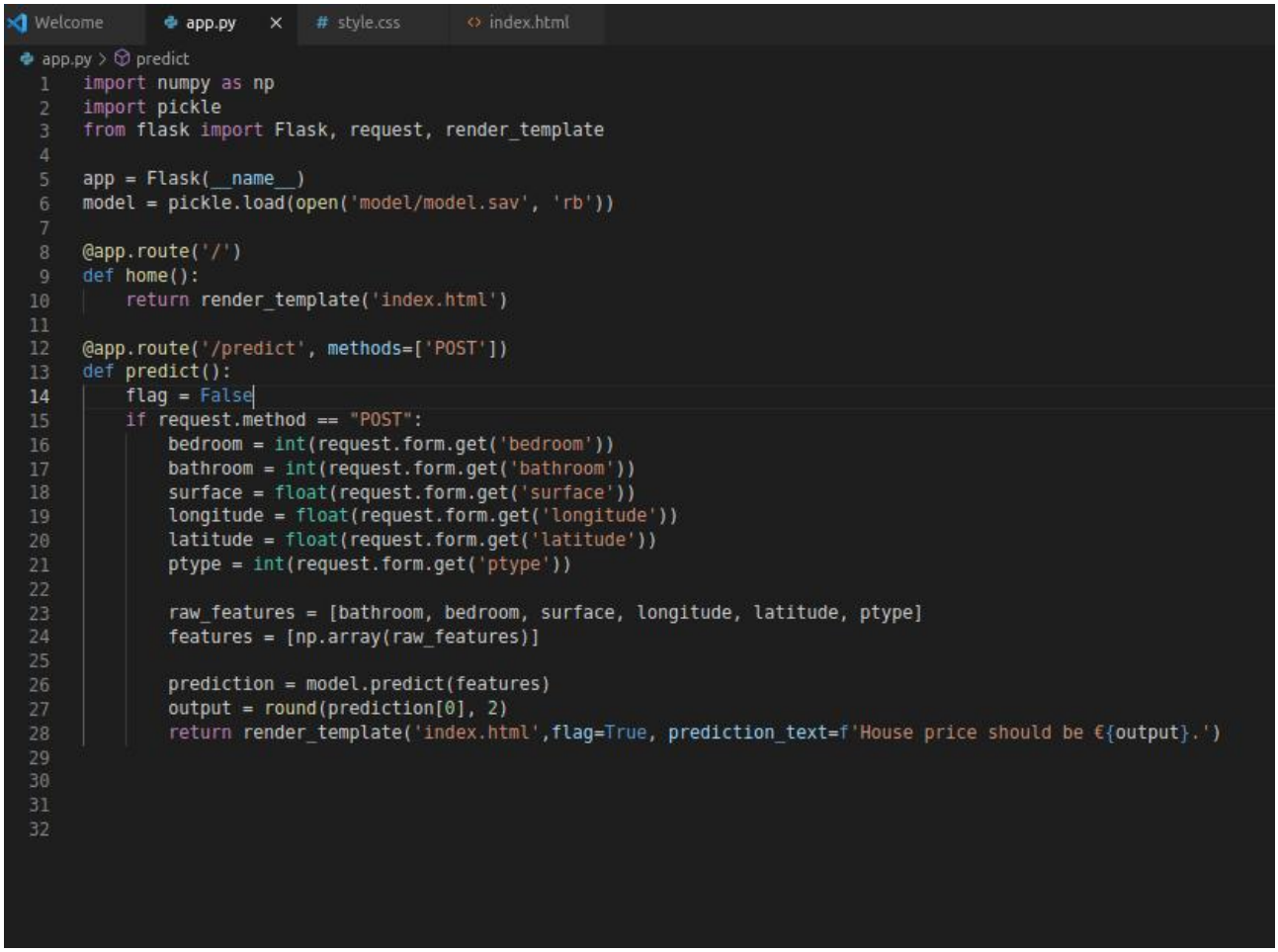
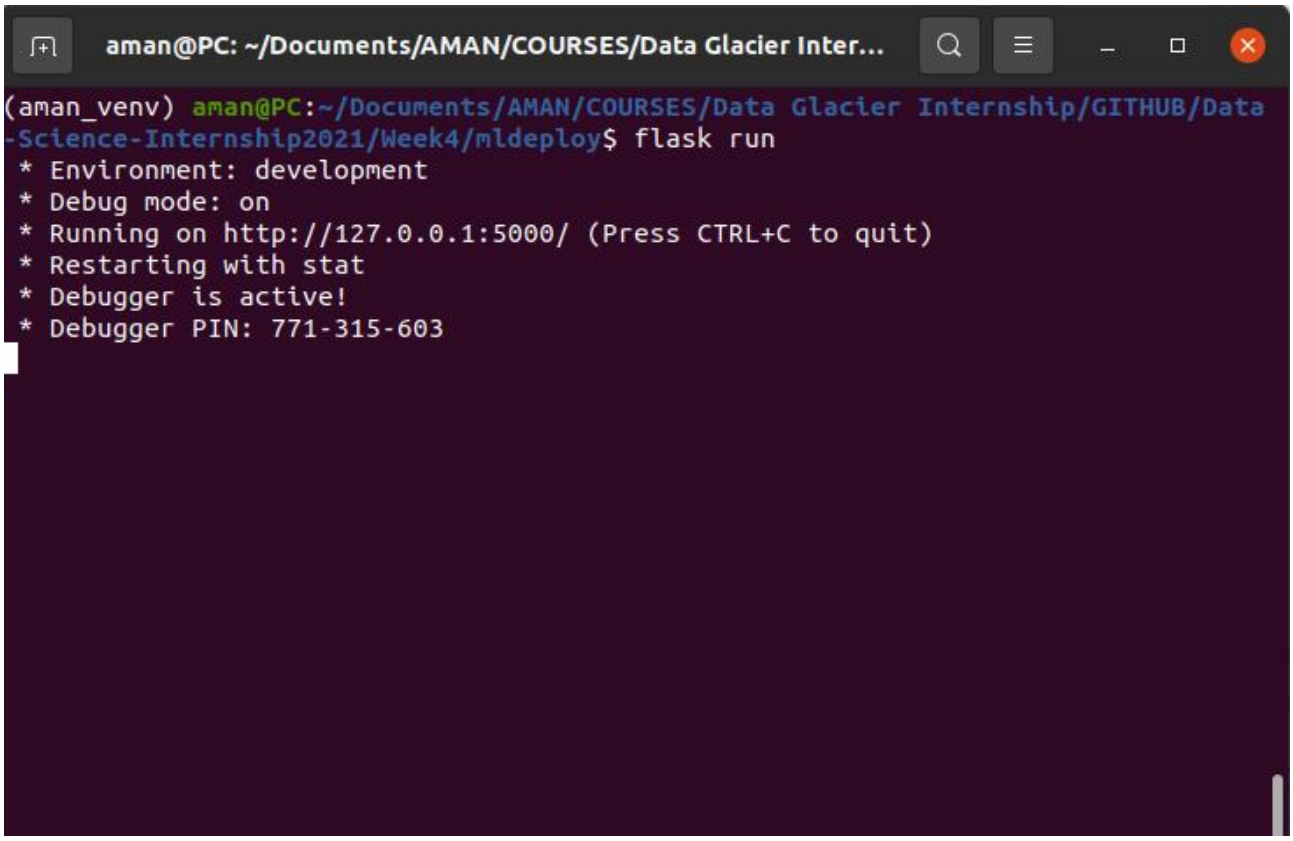
Submitted to: **Data Glacier**

Step 1: Writing Flask Application

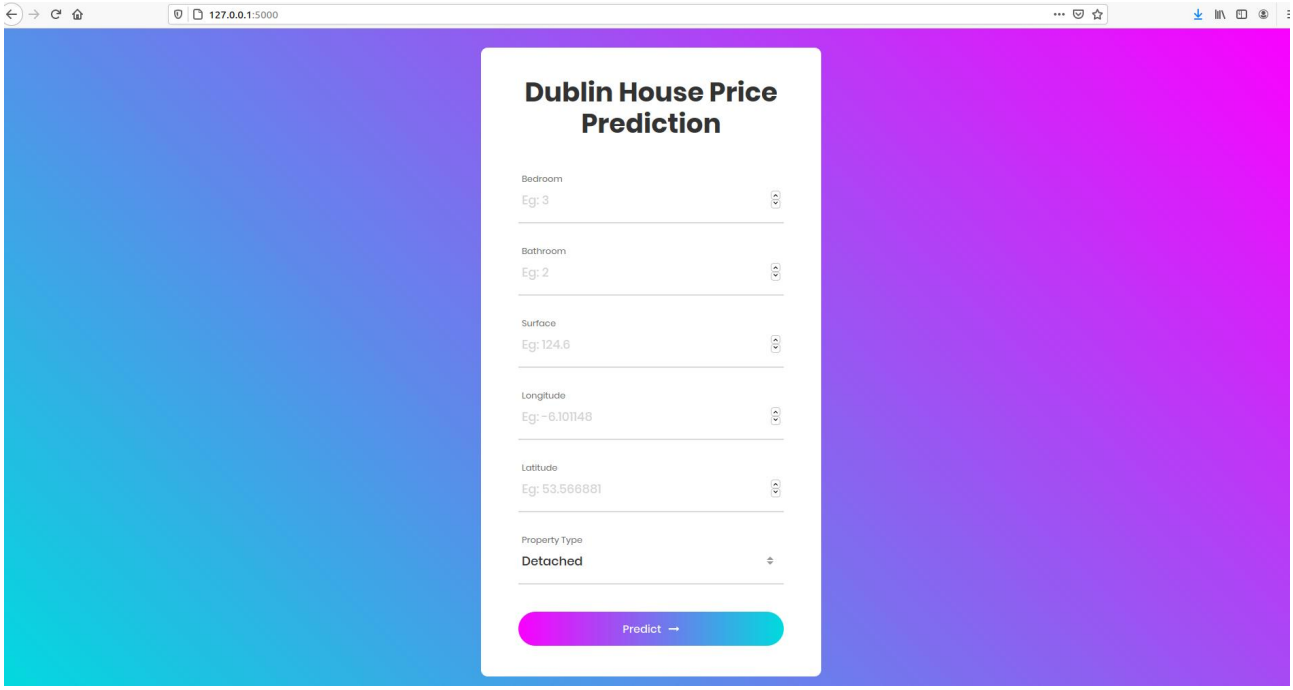


```python
import numpy as np
import pickle
from flask import Flask, request, render_template

app = Flask(__name__)
model = pickle.load(open('model/model.sav', 'rb'))

@app.route('/')
def home():
    return render_template('index.html')

@app.route('/predict', methods=['POST'])
def predict():
    flag = False
    if request.method == "POST":
        bedroom = int(request.form.get('bedroom'))
        bathroom = int(request.form.get('bathroom'))
        surface = float(request.form.get('surface'))
        longitude = float(request.form.get('longitude'))
        latitude = float(request.form.get('latitude'))
        ptype = int(request.form.get('ptype'))

        raw_features = [bathroom, bedroom, surface, longitude, latitude, ptype]
        features = [np.array(raw_features)]

        prediction = model.predict(features)
        output = round(prediction[0], 2)
        return render_template('index.html',flag=True, prediction_text=f'House price should be €{output}.')
```

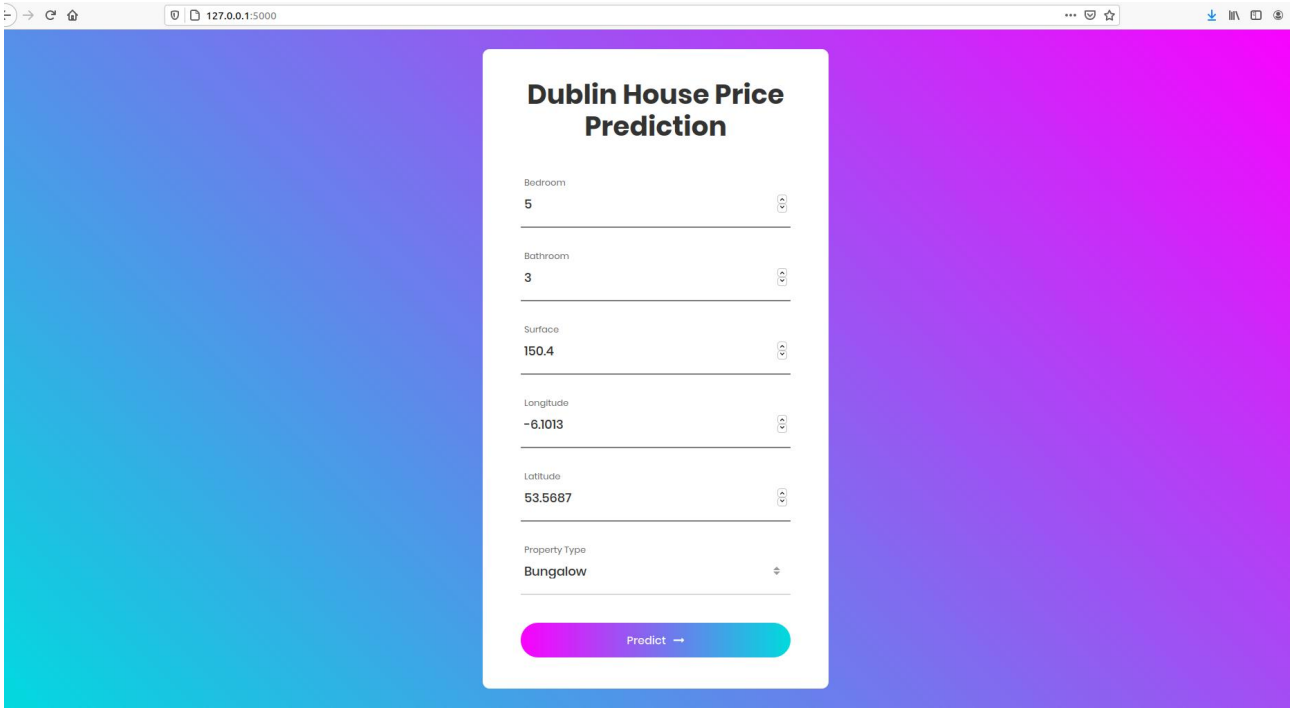
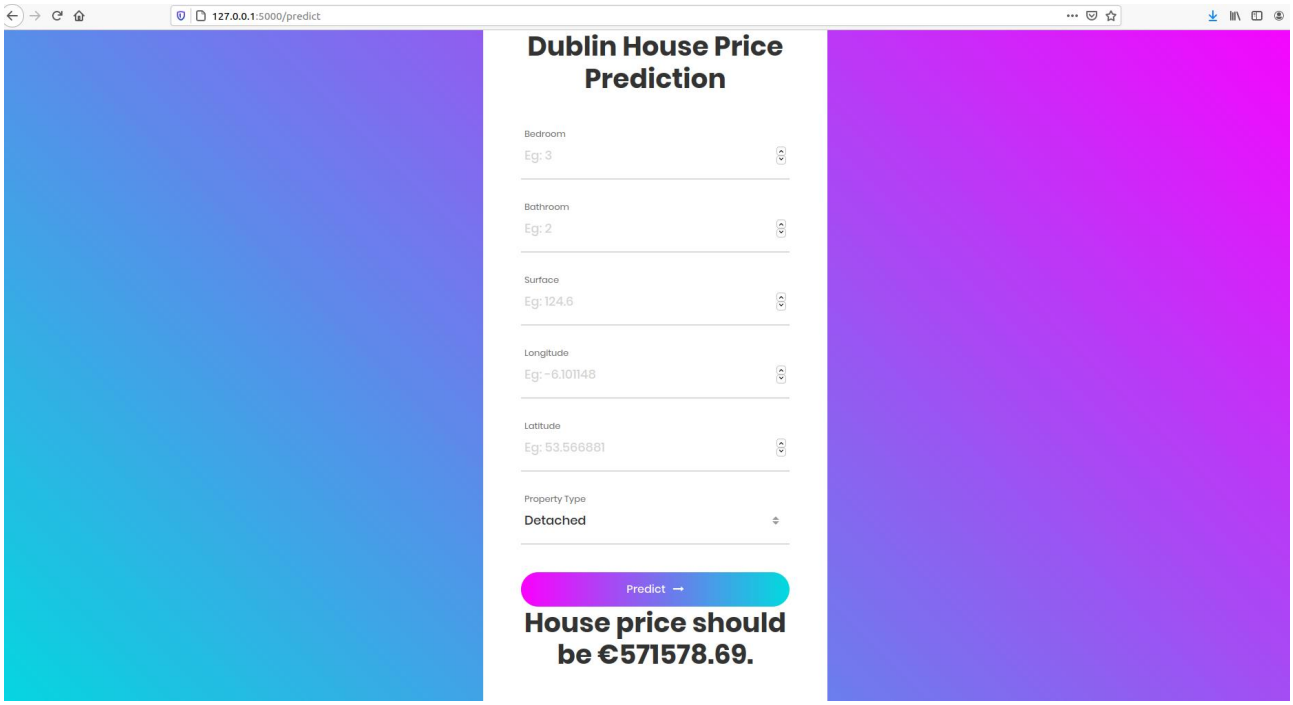
Step 2: Running the Flask Application



Step 3: Open the link in the browser



Step 4: Testing the model



Step 5: Getting the result