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Batch Code: LIMSUM 11

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Topic: Deployment on Flask

Step 1: Create your model and Use python pickle library to save the model in a pickle file.

Step 2: Create an html page to be our front end for the flask app.

Step 3: Write program for app.py and import pickle in it.

```
1 import numpy as np
   from flask import Flask, request, render_template
   import pickle
 5 app = Flask(__name__)
6 model = pickle.load(open('model.pkl','rb'))
8 @app.route('/')
       return render_template('index.html')
12 @app.route('/predict',methods=['POST'])
13 def predict():
       int_features = [int(x) for x in request.form.values()]
       final_features = [np.array(int_features)]
       prediction = model.predict(final_features)
       output = round(prediction[0],2)
       return render_template('index.html', prediction_text='House priice should be $ {}'.format(output))
24 if __name__ == "__main__":
       app.run(port=5000, debug=True)
```

Step 4: Run "python app.py" to run the flask app.

```
ELC:\Windows\System32\cmd.exe-python app.py

Microsoft Windows [Version 10.0.19044.1889]
(c) Microsoft Corporation. All rights reserved.

C:\Users\shova\Desktop\Projects\Housing App>python app.py

* Serving Flask app 'app'
* Debug mode: on

MARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

* Running on http://1270.00.1:5000

Press CRL+C to quit

* Restarting with stat

* Debugger is active!

* Debugger PIN: 609-946-002
```

Step 5: Copy the url in the command prompt into any web browser .

