Week4: Deployment on Flask

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Snapshots:

\angle	Α	В	С	D	E	F
1	No	square_feet	price			
2	1	150	6450			
3	2	200	7450			
4	3	250	8450			
5	4	300	9450			
6	5	350	11450			
7	6	400	15450			
8	7	600	18450			
9						
10						
11						
12						
13						
4.4						

```
TrainingModeLpy app.py page.html

import numpy as np
from flask import Flask, request, jsonify, render_template
import pickle

app = Flask(_name_)
model = pickle.load(open('model.pkl','rb'))

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

@app.route('/predict', methods=['POST'])
def predict():
    features_list = [float(x) for x in request.form.values()]
    features = np.array(features_list).reshape(1,-1)
    predict_outcome_list = model.predict(features)
    predict_outcome = round(predict_outcome_list[0],2)

return render_template('page.html',prediction_display_area='Predicted Price is { } { } { } '.format(predict_outcome) }

if __name__ == "__main__":
    app.run(port=5000,debug = True)
```

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••
                 houseprice_flask - python . python app.py - 80×24
    WARNING: This is a development server. Do not use it in a production deployme
   Use a production WSGI server instead.
 * Debug mode: on
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
 * Restarting with watchdog (fsevents)
 * Debugger is active!
* Debugger PIN: 118-240-813
127.0.0.1 - - [26/Jul/2022 20:40:35] "GET / HTTP/1.1" 200 - 127.0.0.1 - - [26/Jul/2022 20:41:49] "GET / HTTP/1.1" 200 - 127.0.0.1 - - [26/Jul/2022 20:42:07] "POST /predict HTTP/1.1" 200 -
^C%
(base) jinwen@jinwendeMacBook-Air houseprice_flask % python app.py
 * Serving Flask app "app" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployme
nt.
    Use a production WSGI server instead.
 * Debug mode: on
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
* Restarting with watchdog (fsevents)
 * Debugger is active!
* Debugger PIN: 118-240-813
```



House Price Prediction

square feet

Predict house price

Predicted Price is: 30548.4