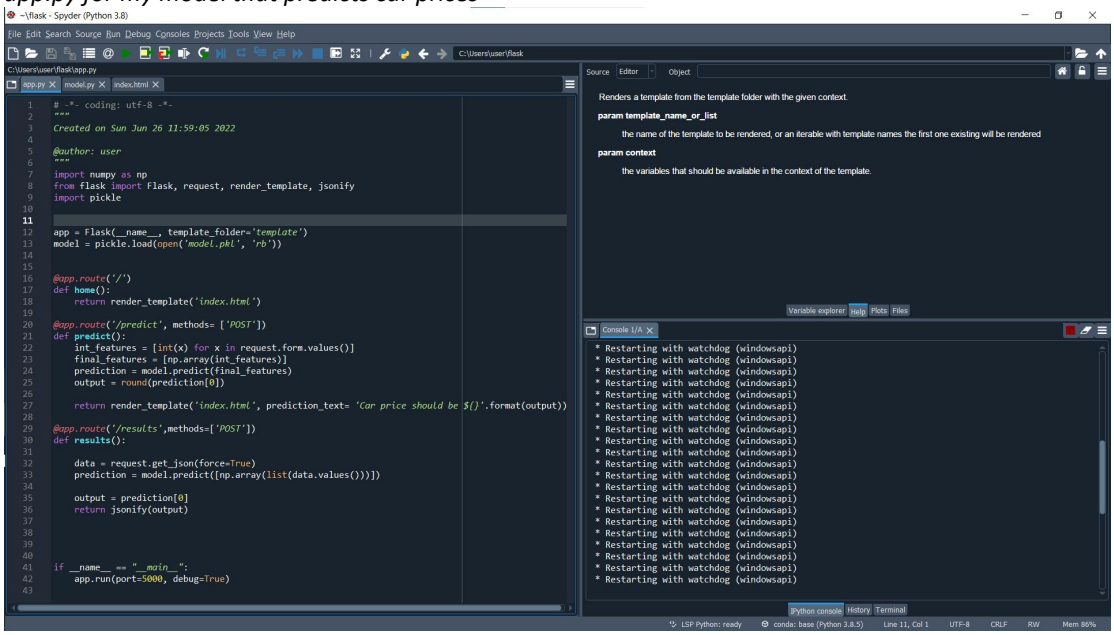
NAME: WANGU NDUNGU
BATCH NO.: LISUM10:30
SUBMISSION DATE: 27/06/2022

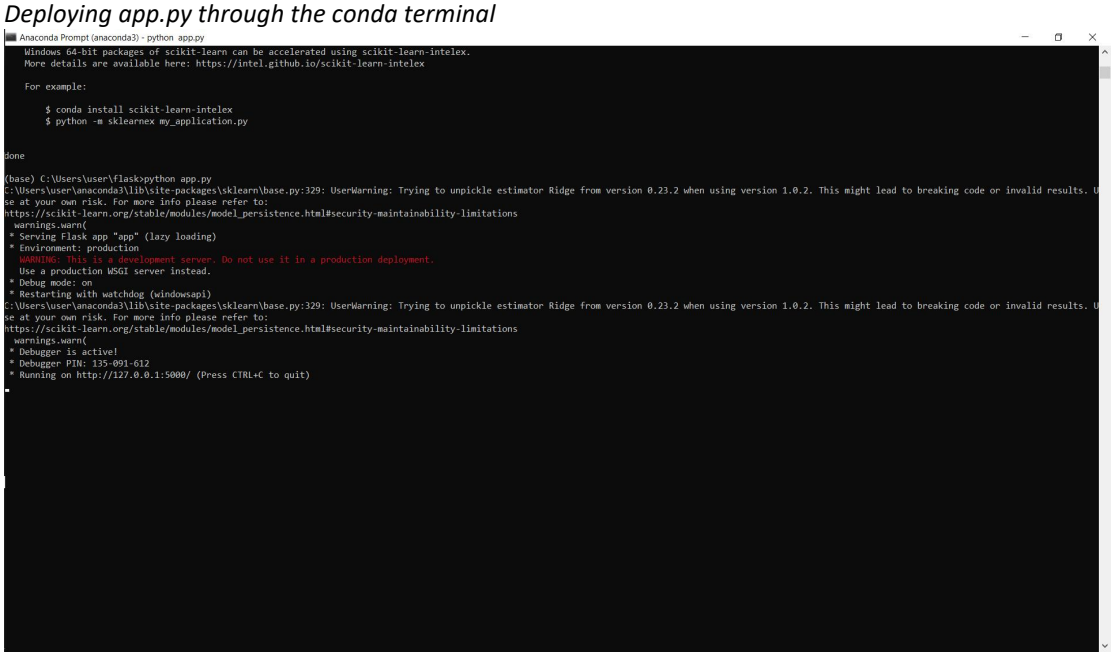
app.py for my model that predicts car prices



```
# -*- coding: utf-8 -*-
"""
Created on Sun Jun 26 11:59:05 2022

@author: user
"""
import numpy as np
from flask import Flask, request, render_template, jsonify
import pickle

app = Flask(__name__, template_folder='template')
model = pickle.load(open('model.pkl', 'rb'))


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

@app.route('/predict', methods= ['POST'])
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])

    return render_template('index.html', prediction_text= 'Car price should be ${}'.format(output))

@app.route('/results',methods=['POST'])
def results():

    data = request.get_json(force=True)
    prediction = model.predict([np.array(list(data.values()))])

    output = prediction[0]
    return jsonify(output)



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

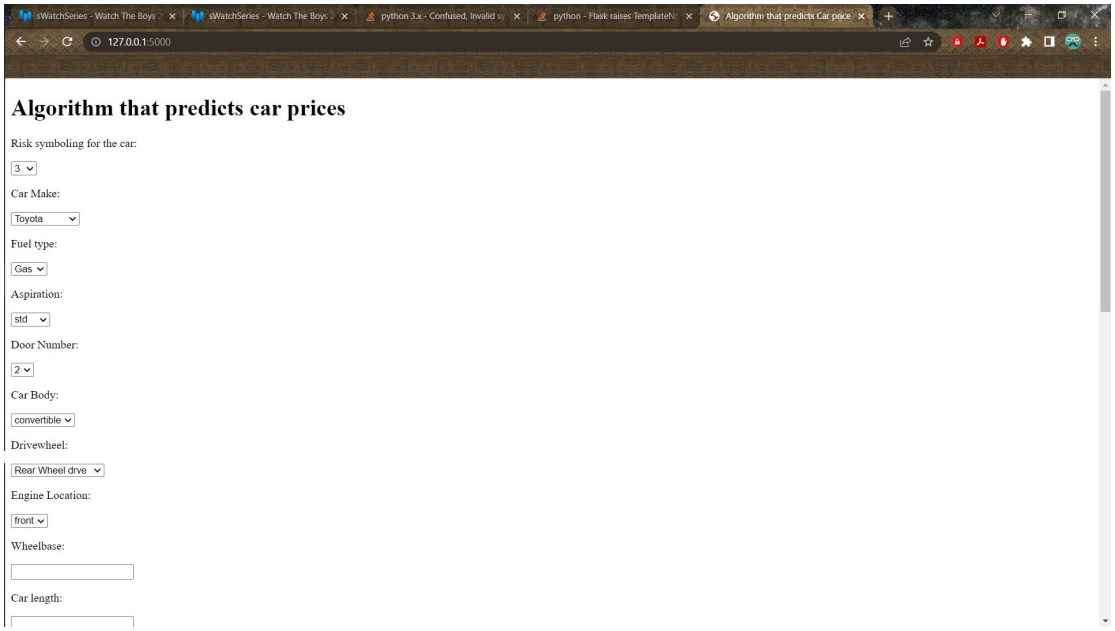
```
* Restarting with watchdog (windowsapi)
```

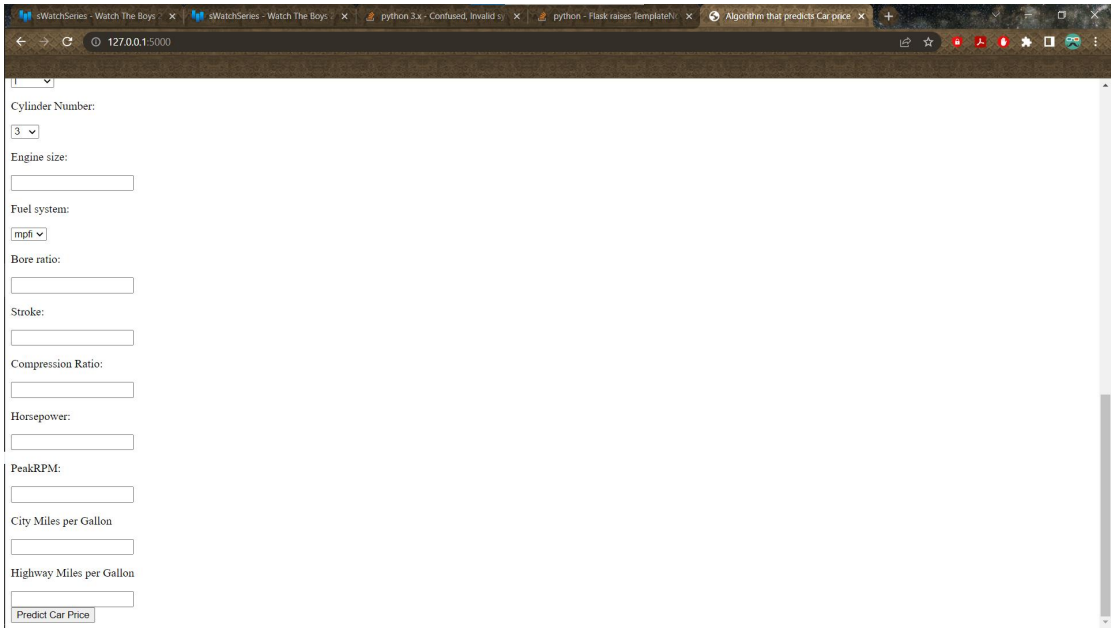
Deploying app.py through the conda terminal



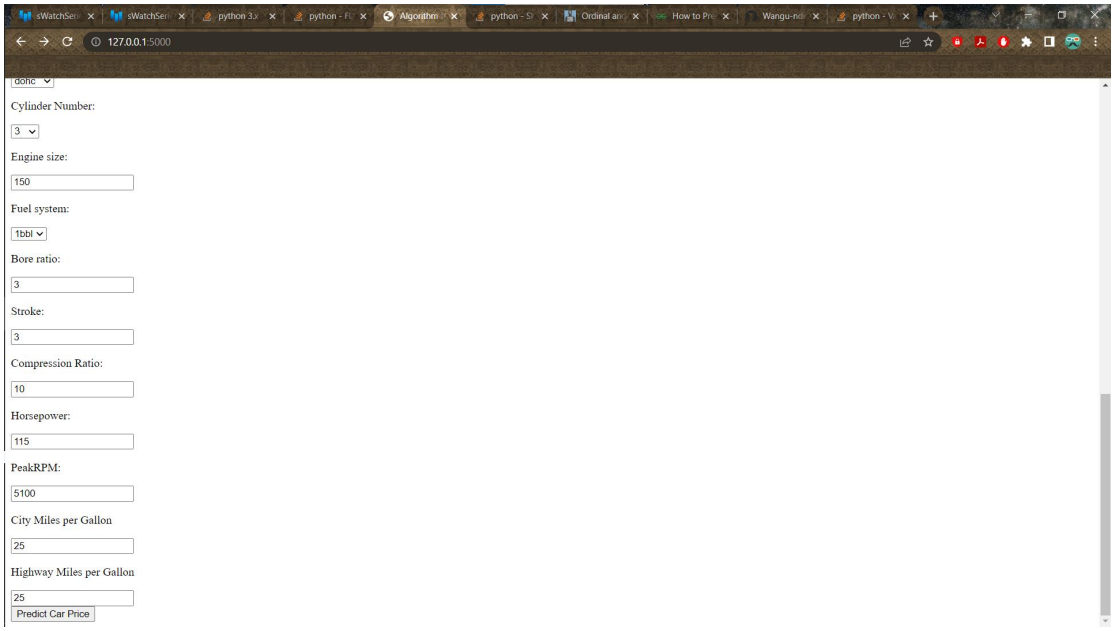
```
Anaconda Prompt (anaconda3) - python app.py
   Windows 64-bit packages of scikit-learn can be accelerated using scikit-learn-intelex.
   More details are available here: https://intel.github.io/scikit-learn-intelex

   For example:

       $ conda install scikit-learn-intelex
       $ python -m sklearnex my_application.py


done

(base) C:\Users\user\flask>python app.py
C:\Users\user\anaconda3\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator Ridge from version 0.23.2 when using version 1.0.2. This might lead to breaking code or invalid results. U
se at your own risk. For more info please refer to:
https://scikit-learn.org/stable/modules/model_persistence.html#security-maintainability-limitations
  warnings.warn(
 * Serving Flask app "app" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Restarting with watchdog (windowsapi)
C:\Users\user\anaconda3\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator Ridge from version 0.23.2 when using version 1.0.2. This might lead to breaking code or invalid results. U
se at your own risk. For more info please refer to:
https://scikit-learn.org/stable/modules/model_persistence.html#security-maintainability-limitations
  warnings.warn(
 * Debugger is active!
 * Debugger PIN: 135-091-612
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Deployed model in my browser





After filling in my input:



Prediction after using the predict car price button:
(i have tried my best to debug my code but I cant find a solution, the model currently does give any prediction. I will however keep looking for one);