Week4

week4.py

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

app=Flask(__name__)
with open('Cab.csv') as mm:
  m=csv.reader(mm,delimiter=',')
  n=[]
  for r in m:
    n.append(r)
  with open('Cab.pkl','wb') as f:
    pickle.dump(n,f)
model = pickle.load(open('Cab.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()]
  features=[np.array(int_features)]
  prediction = model.predict(features)
  output = round(prediction[0],2)

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

with app.test_request_context():
  print(url_for('predict'))

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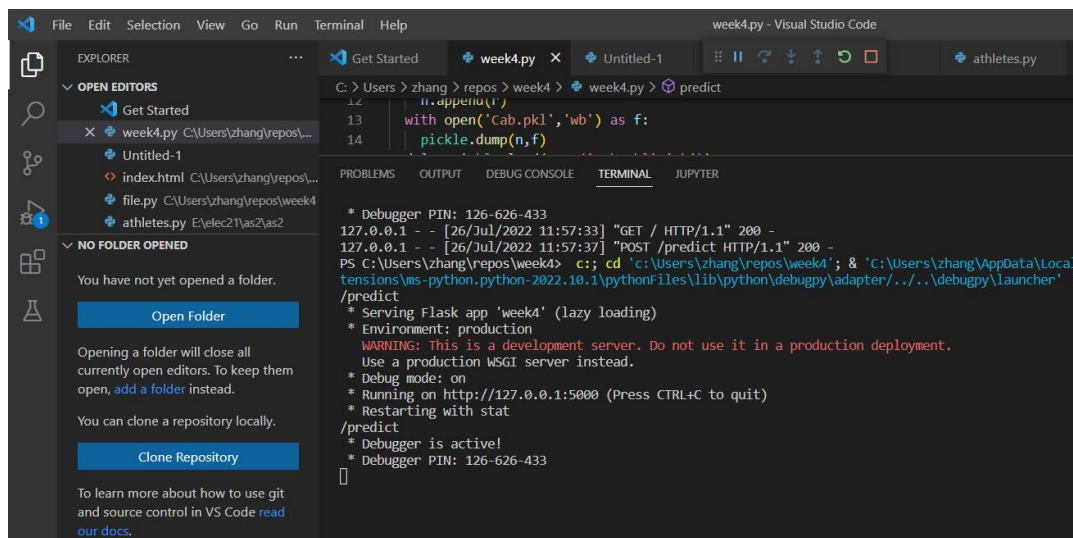
index.html

```html
<!DOCTYPE html>
<html >
<head>
    <meta charset = "UTF-8">
    <title>Cab</title>
</head>
<body>
  <div class = "login">
    <h1>
        Predict Travel Cost
    </h1>
    <form action=" {{ url_for('predict') }} " method="post">
        <input type="text" name="KM Travelled" placeholder="KM Travelled"
required="required" />
        <input type="text" name="Price of Trip" placeholder="Price of Trip"
required="required" />

        <button type="submit" class="btn btn-primary btn-block
btn-large">Predict</button>
    </form>
</div>
<br>
<br>
{{ prediction_text }}
</body>
</html>
```
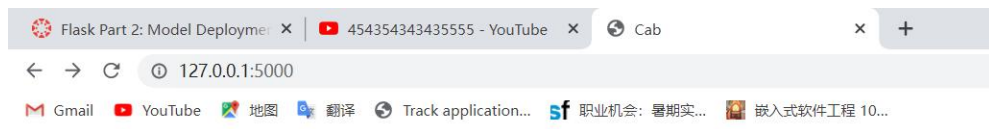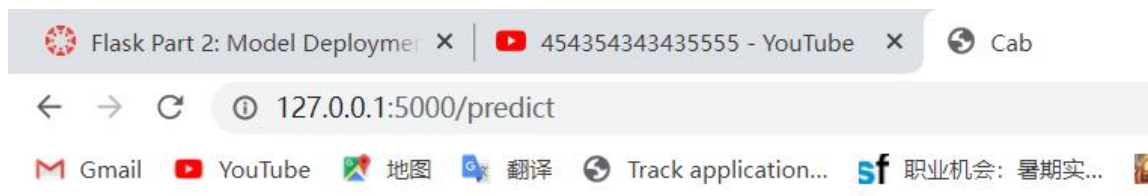
Predict Travel Cost

| KM Travelled | | Price of Trip | | Predict |

Predict Travel Cost

| 11 | | 222 | | Predict |

Predict Travel Cost

| KM Travelled | | Price of Trip | | Predict |

Travel Cost should be $ 161.5

Predict Travel Cost

22   333   Predict

Travel Cost should be $ 161.5

Flask Part 2: Model Deploymer × | ▶ 454354343435555 - YouTube × | ⊙ Cab

← → C ① 127.0.0.1:5000/predict

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Predict Travel Cost

KM Travelled   Price of Trip   Predict

Travel Cost should be $ 212.0