Week 4 Assignment - Week4: Deployment on Flask

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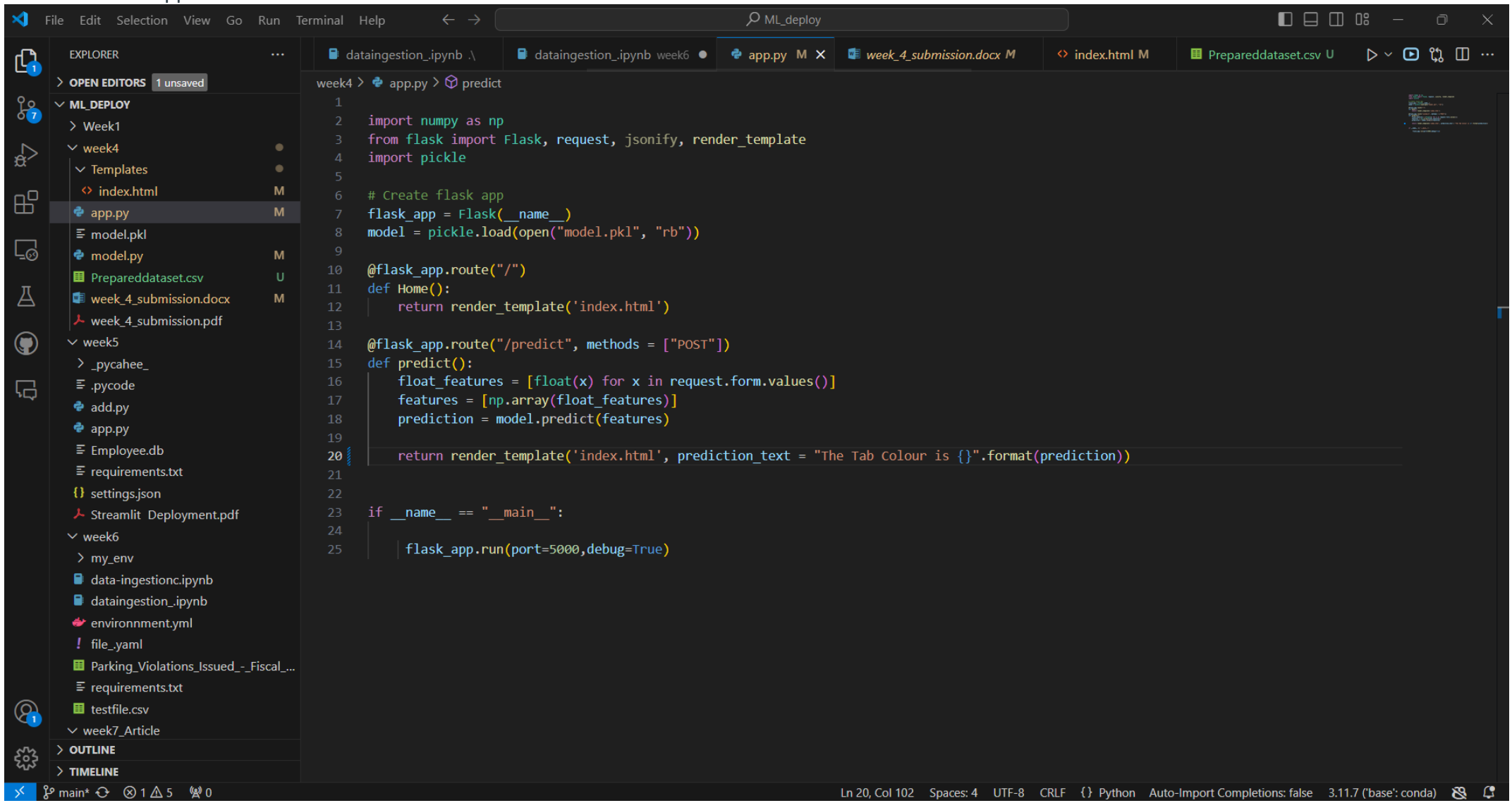
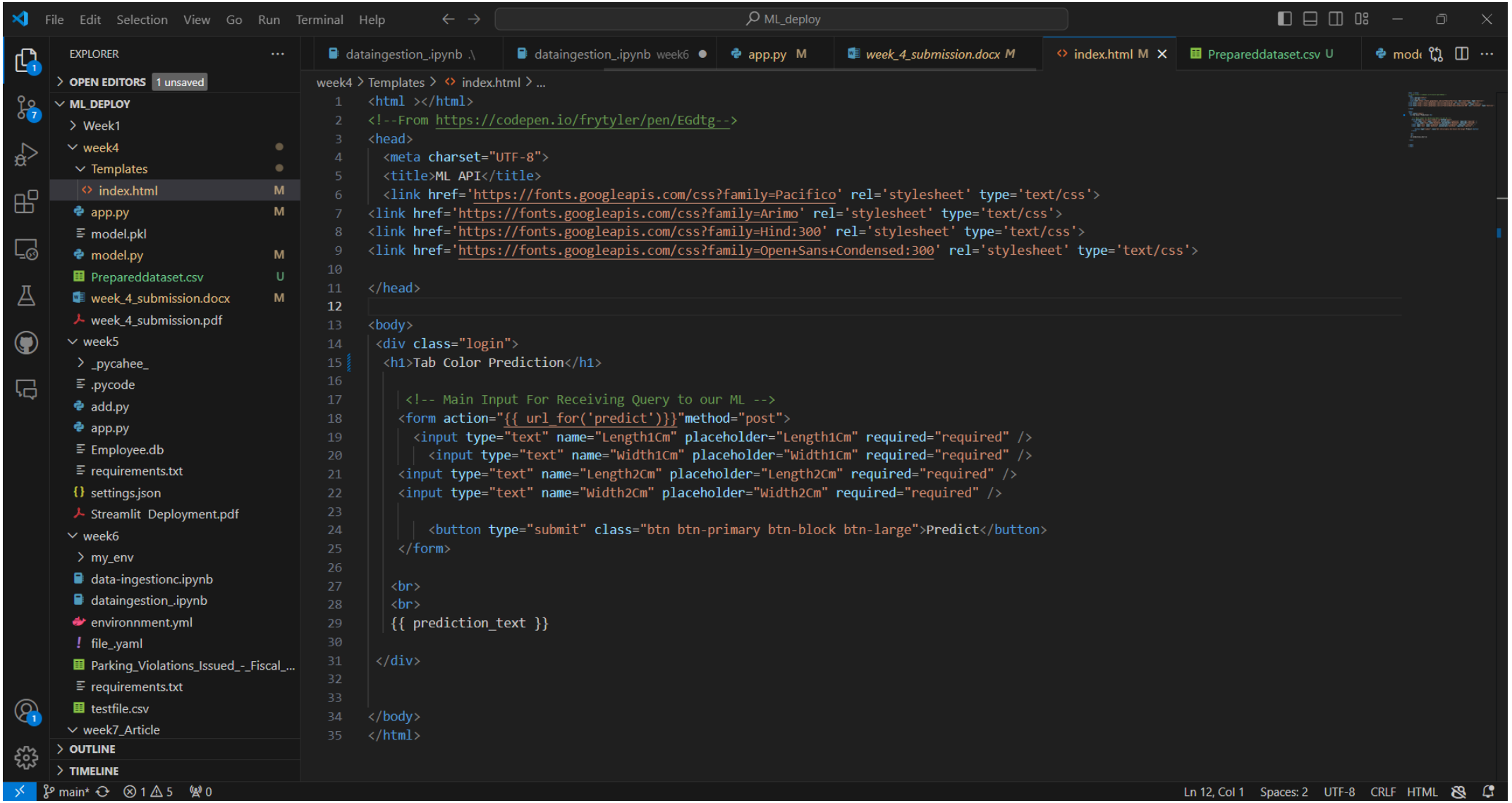
Batch code: LISUM37
Submission date: Sep 23, 2024
Submitted to: Data Glacier

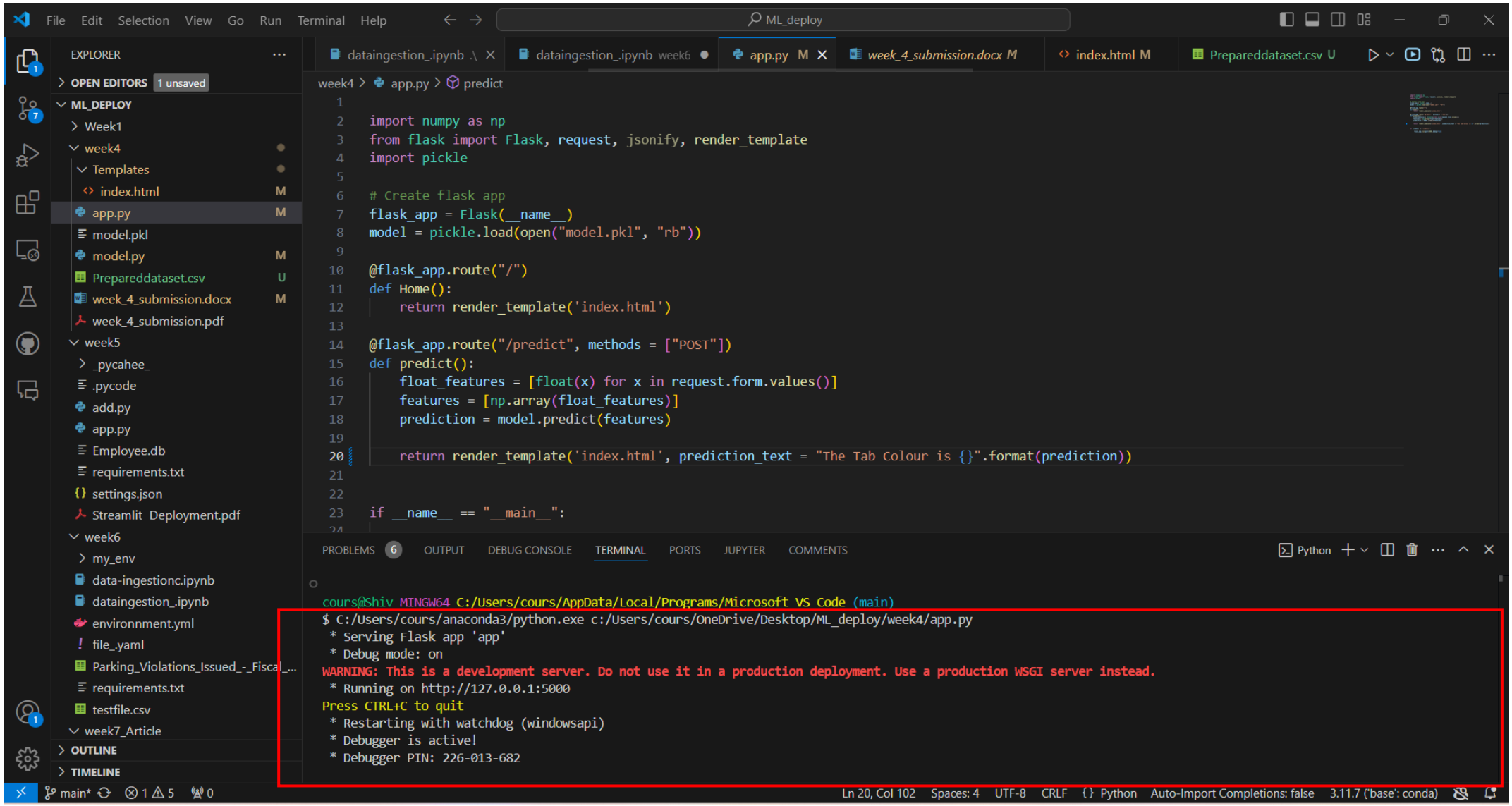
1. Code of Flask app



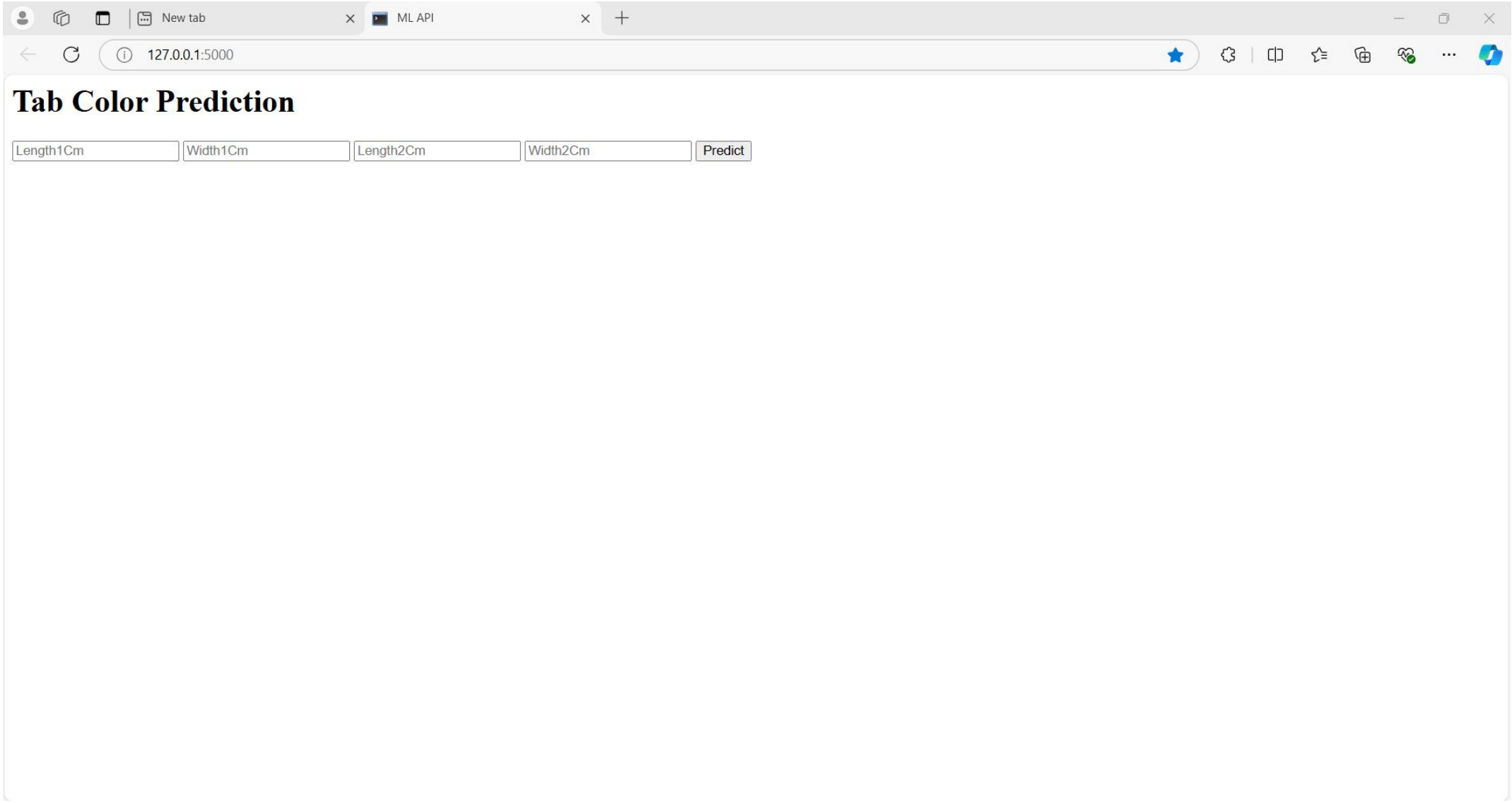
2. index.html


File Edit Selection View Go Run Terminal Help
ML_deploy
EXPLORER
OPEN EDITORS 1 unsaved
ML_DEPLOY
Week1
week4
Templates
index.html M
app.py M
model.pkl
model.py M
Prepareddataset.csv U
week_4_submission.docx M
week_4_submission.pdf
week5
pycahee
.pycode
add.py
app.py
Employee.db
requirements.txt
settings.json
Streamlit Deployment.pdf
week6
my_env
data-ingestionc.ipynb
dataingestion_.ipynb
environnment.yml
file_.yaml
Parking_Violations_Issued_-_Fiscal_...
requirements.txt
testfile.csv
week7_Article
OUTLINE
TIMELINE
dataingestion_.ipynb .\
dataingestion_.ipynb week6
app.py M
week_4_submission.docx M
index.html M
Prepareddataset.csv U
week4 > Templates > index.html > ...
1 <html ></html>
2 <!--From https://codepen.io/frytyler/pen/EGdtg-->
3 <head>
4 <meta charset="UTF-8">
5 <title>ML API</title>
6 <link href='https://fonts.googleapis.com/css?family=Pacifico' rel='stylesheet' type='text/css'>
7 <link href='https://fonts.googleapis.com/css?family=Arimo' rel='stylesheet' type='text/css'>
8 <link href='https://fonts.googleapis.com/css?family=Hind:300' rel='stylesheet' type='text/css'>
9 <link href='https://fonts.googleapis.com/css?family=Open+Sans+Condensed:300' rel='stylesheet' type='text/css'>
10
11 </head>
12
13 <body>
14
15 <h1>Tab Color Prediction</h1>
16
17 <!-- Main Input For Receiving Query to our ML -->
18 <form action="{{ url_for('predict')}}"method="post">
19 <input type="text" name="Length1Cm" placeholder="Length1Cm" required="required" />
20 <input type="text" name="Width1Cm" placeholder="Width1Cm" required="required" />
21 <input type="text" name="Length2Cm" placeholder="Length2Cm" required="required" />
22 <input type="text" name="Width2Cm" placeholder="Width2Cm" required="required" />
23
24 <button type="submit" class="btn btn-primary btn-block btn-large">Predict</button>
25 </form>
26
27
28
29 {{ prediction_text }}
30
31
32
33
34 </body>
35 </html>
main* 1 5 0
Ln 12, Col 1 Spaces: 2 UTF-8 CRLF HTML

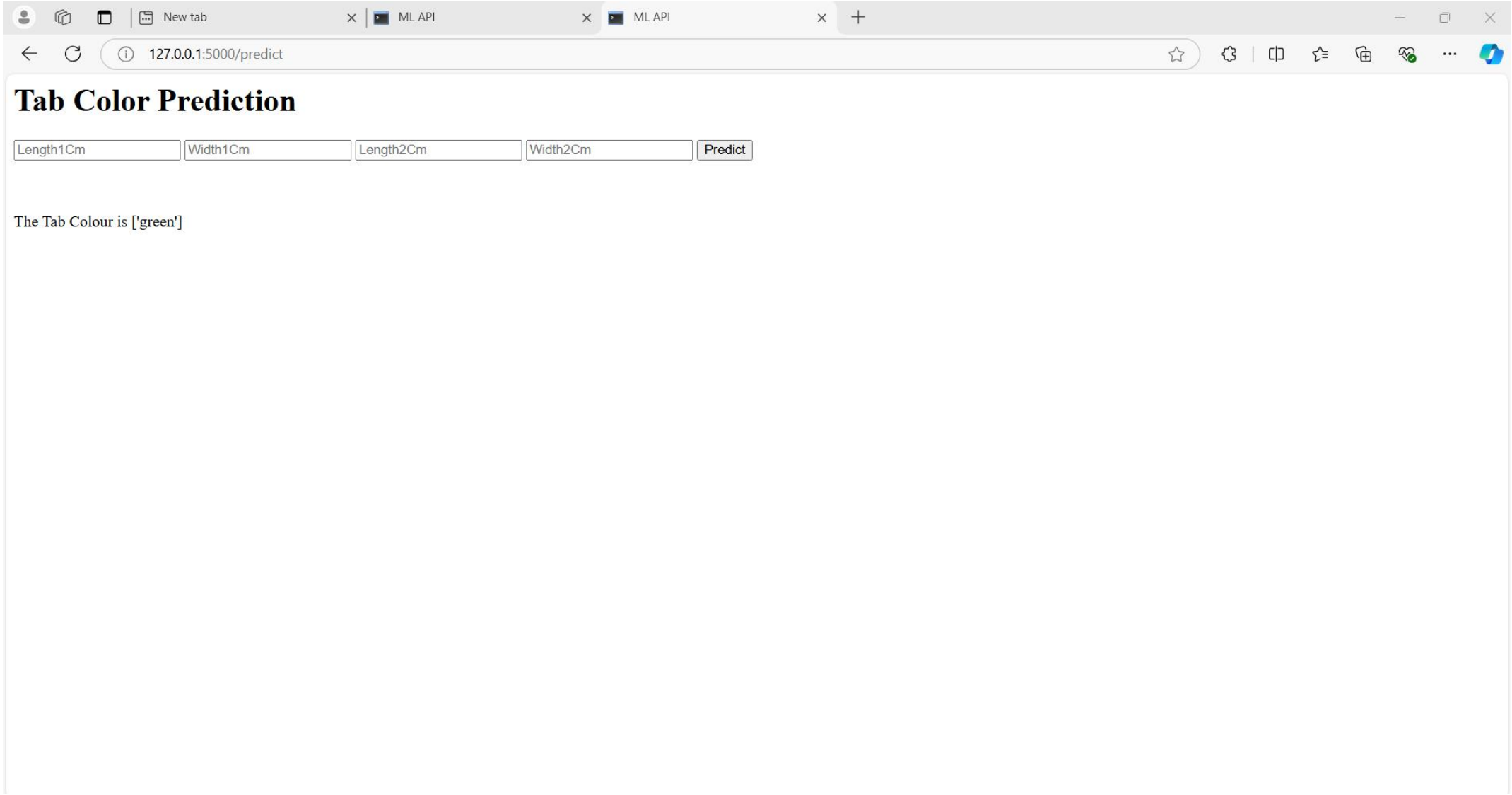
3. Running Flask in debug mode in VisualStudioCode



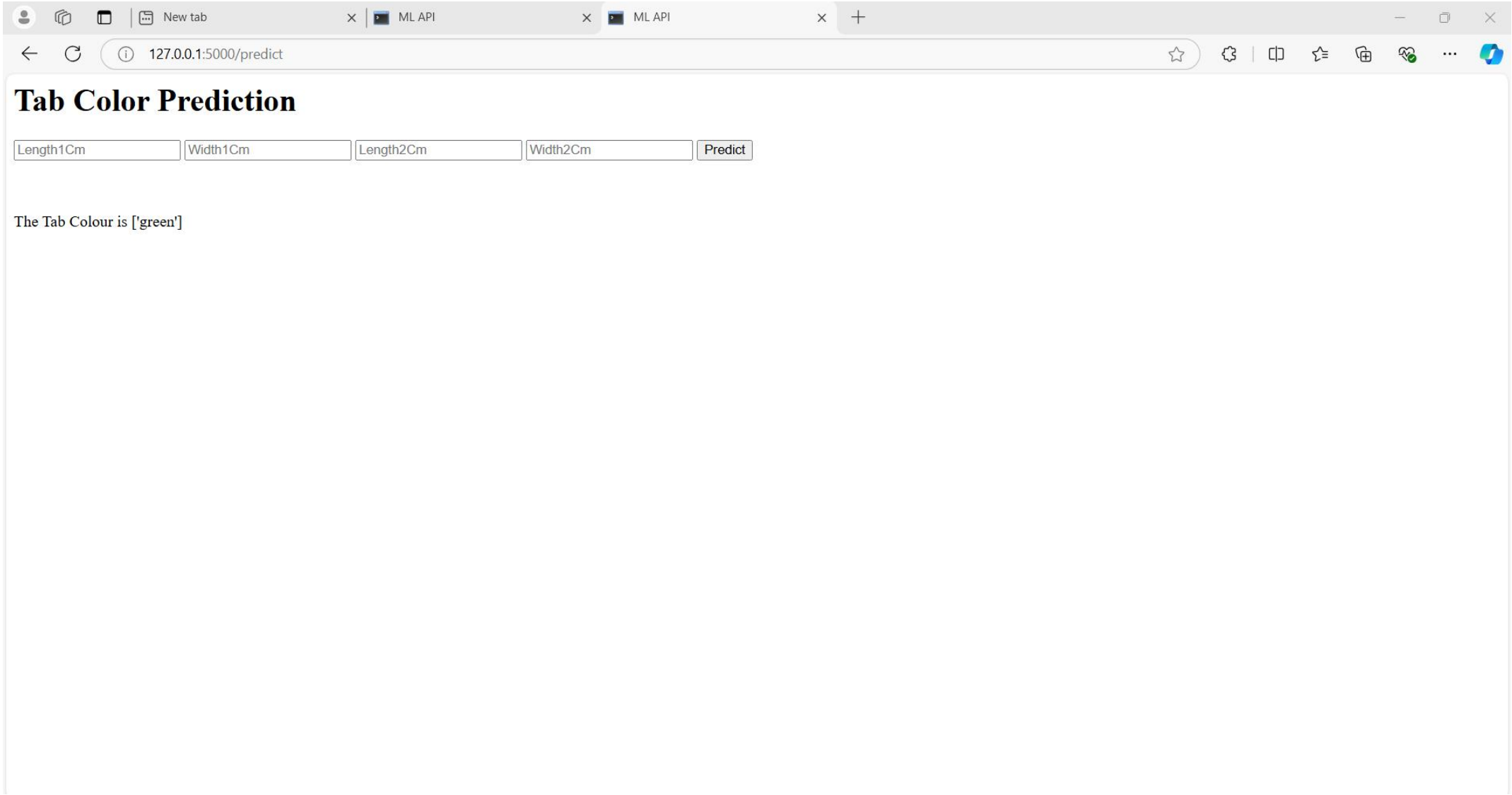
4. Running app homepage



5. Filling test data



6. Prediction result shown on web page



7. Flask output in terminal window