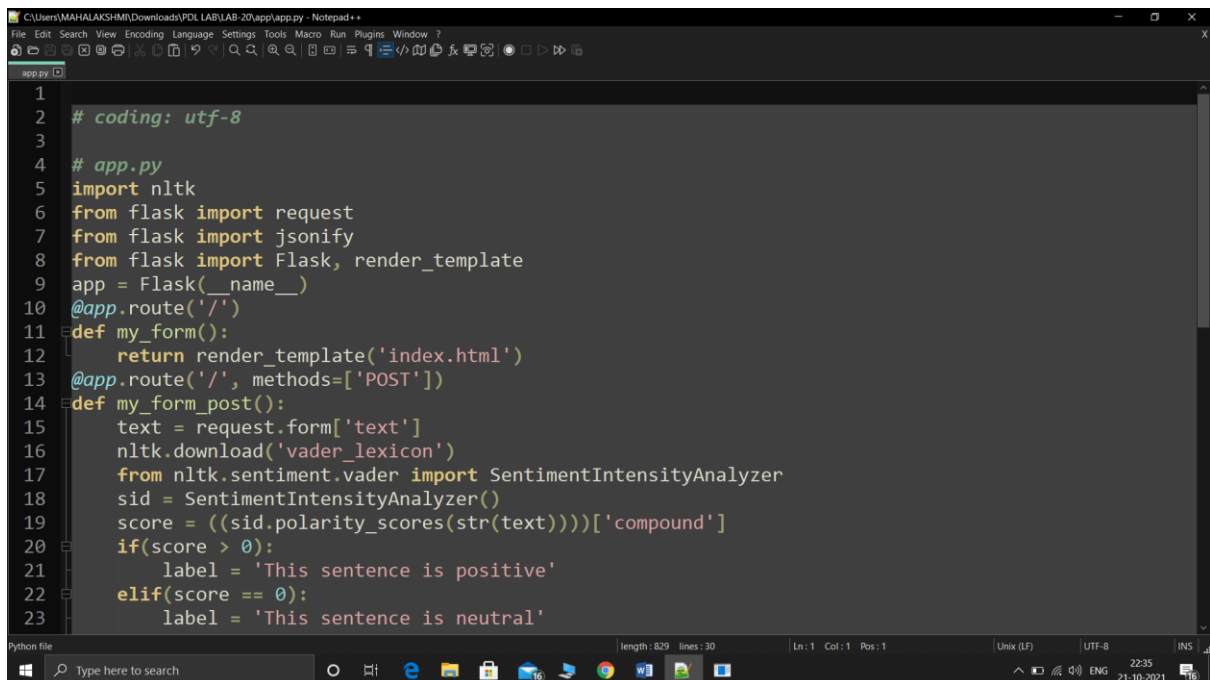


**NAME : Mahalakshmi S**  
**ROLL NO : 205229118**  
**SUBJECT : PDL LAB**

## **Lab20: Web App Development for Sentiment Analysis using Flask an Heroku**

**App.py file:**



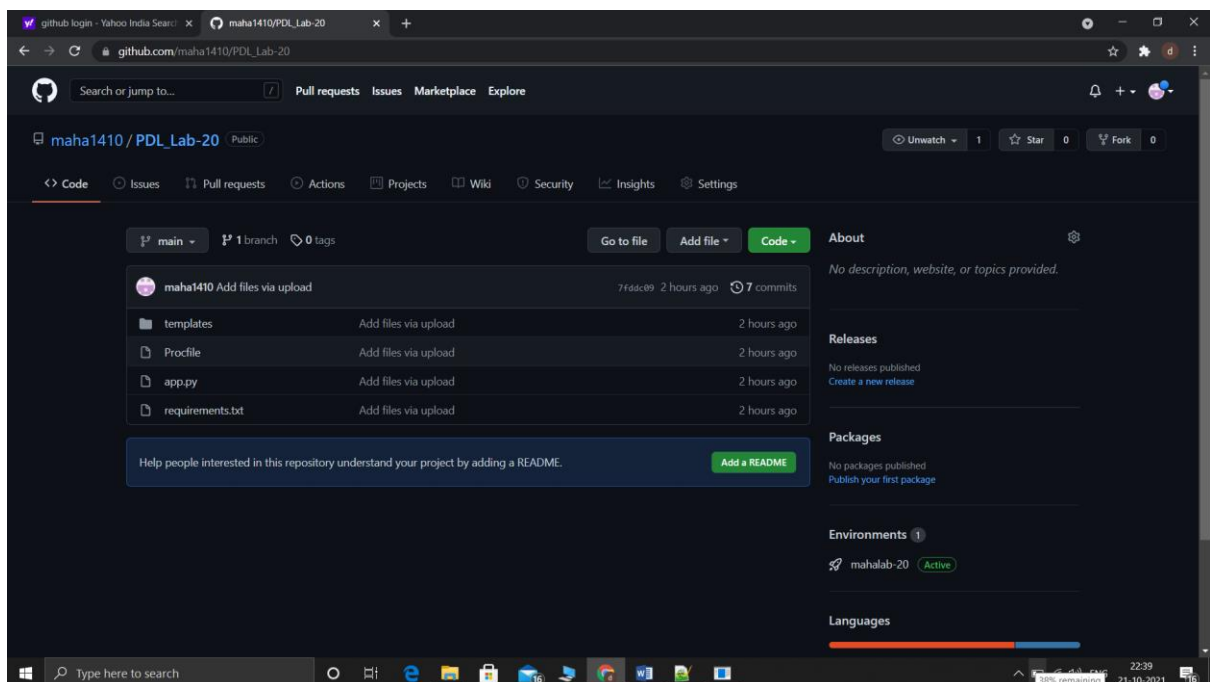
```
1
2 # coding: utf-8
3
4 # app.py
5 import nltk
6 from flask import request
7 from flask import jsonify
8 from flask import Flask, render_template
9 app = Flask(__name__)
10 @app.route('/')
11 def my_form():
12     return render_template('index.html')
13 @app.route('/', methods=['POST'])
14 def my_form_post():
15     text = request.form['text']
16     nltk.download('vader_lexicon')
17     from nltk.sentiment.vader import SentimentIntensityAnalyzer
18     sid = SentimentIntensityAnalyzer()
19     score = ((sid.polarity_scores(str(text))))['compound']
20     if(score > 0):
21         label = 'This sentence is positive'
22     elif(score == 0):
23         label = 'This sentence is neutral'
```

**Index.html**

```
C:\Users\MAHALAKSHMI\Downloads\PDL_Lab-20\app\templates\index.html - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
index.html
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <link
5   rel="stylesheet"
6   href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
7   integrity="sha384-ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
8   crossorigin="anonymous"
9 >/>
10 <script
11   src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
12   integrity="sha384-JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDsf4x0xIM+B07jRM"
13   crossorigin="anonymous"
14 ></script>
15 <style>
16   .centered {
17     position: relative;
18     text-align: center;
19     display: grid;
20     place-items: center;
21     color: white;
22   }
23   .header {
```

**Creating repo for sentiment analysis**

**Link to my github repo: maha1410/PDL\_Lab-20 ([github.com](https://github.com/maha1410/PDL_Lab-20))**



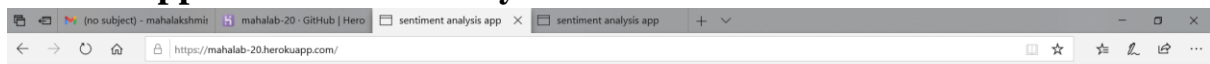
# Connecting GitHub to Heroku:

The screenshot shows the Heroku dashboard for an application named 'mahalab-20'. The user is logged in as 'Mahalakshmi S' (mahalakshmisaktive10@gmail.com). The dashboard is divided into several sections:

- Header:** Includes the Heroku logo, a search bar, and a user profile dropdown menu with options like 'Open app', 'Account settings', 'Notifications', and 'Sign out'.
- Navigation:** Tabs for Overview, Resources, Deploy, Metrics, Activity, Access, and Settings. The 'Deploy' tab is currently selected.
- Deploy Section:**
  - Add this app to a pipeline:** A section with instructions to create a new pipeline or choose an existing one.
  - Add this app to a stage in a pipeline to enable additional features:** A section explaining that pipelines can connect multiple apps and promote code between them. It includes a 'Choose a pipeline' dropdown menu.
- Deployment method:** A section showing three options: 'Heroku Git' (Use Heroku CLI), 'GitHub' (Connected), and 'Container Registry' (Use Heroku CLI). The 'GitHub' option is highlighted with a green checkmark.
- App connected to GitHub:** A section stating 'Connected to maha1410/PDL\_Lab-20 by maha1410'. It includes a 'Disconnect...' button and a link to view commit diffs in the activity feed.

The Windows taskbar at the bottom shows the time as 22:43 on 21-10-2021.

# Heroku app for sentiment analysis



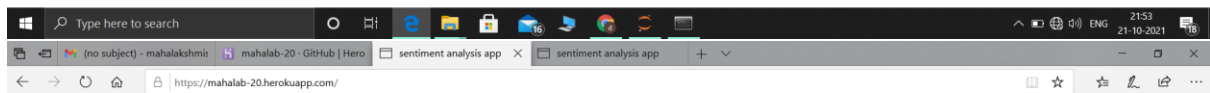
## Sentiment Analysis App

Type a sentence, click on the submit button and wait for your prediction.

This is a very nice day

Submit

This sentence is positive



## Sentiment Analysis App

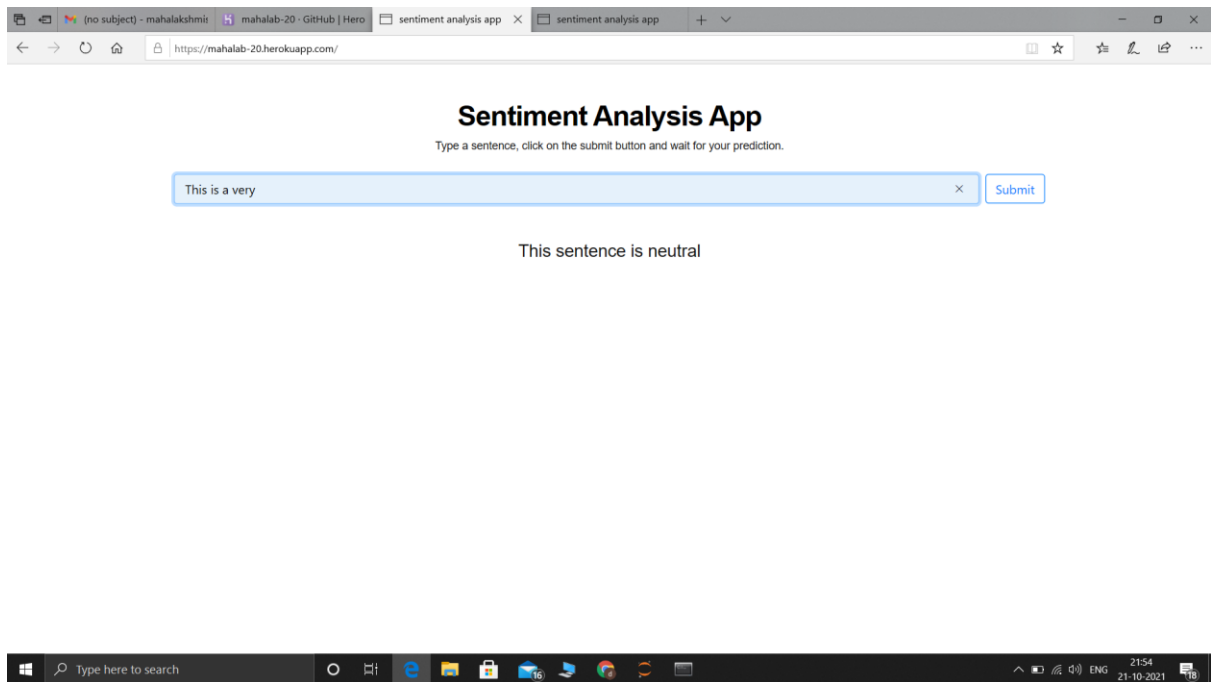
Type a sentence, click on the submit button and wait for your prediction.

This is a very bad day

Submit

This sentence is negative





Link to my Heroku app: <https://mahalab-20.herokuapp.com/>