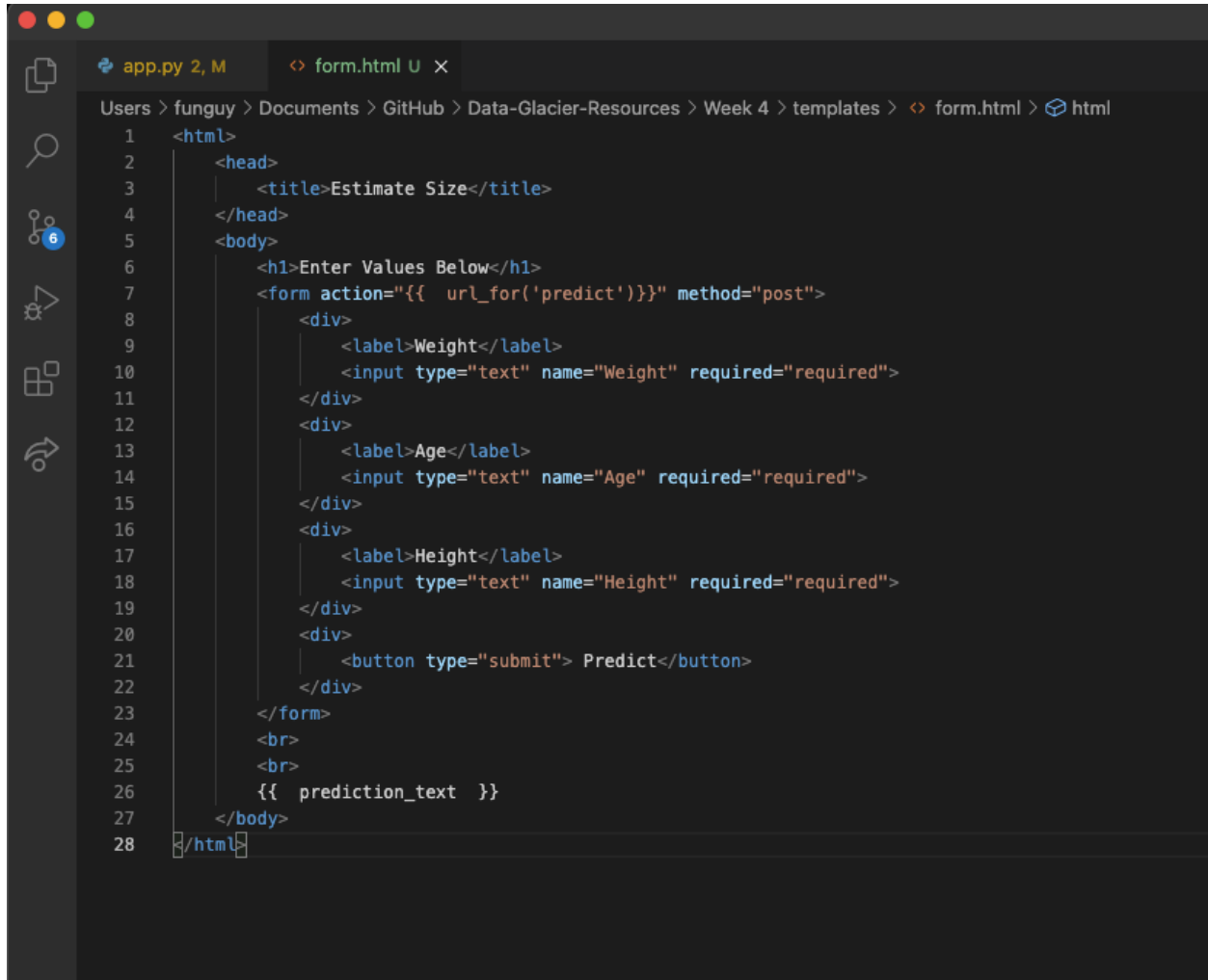


Name: Arhum Ahmad

Submitted to Data Glacier on August 10, 2021

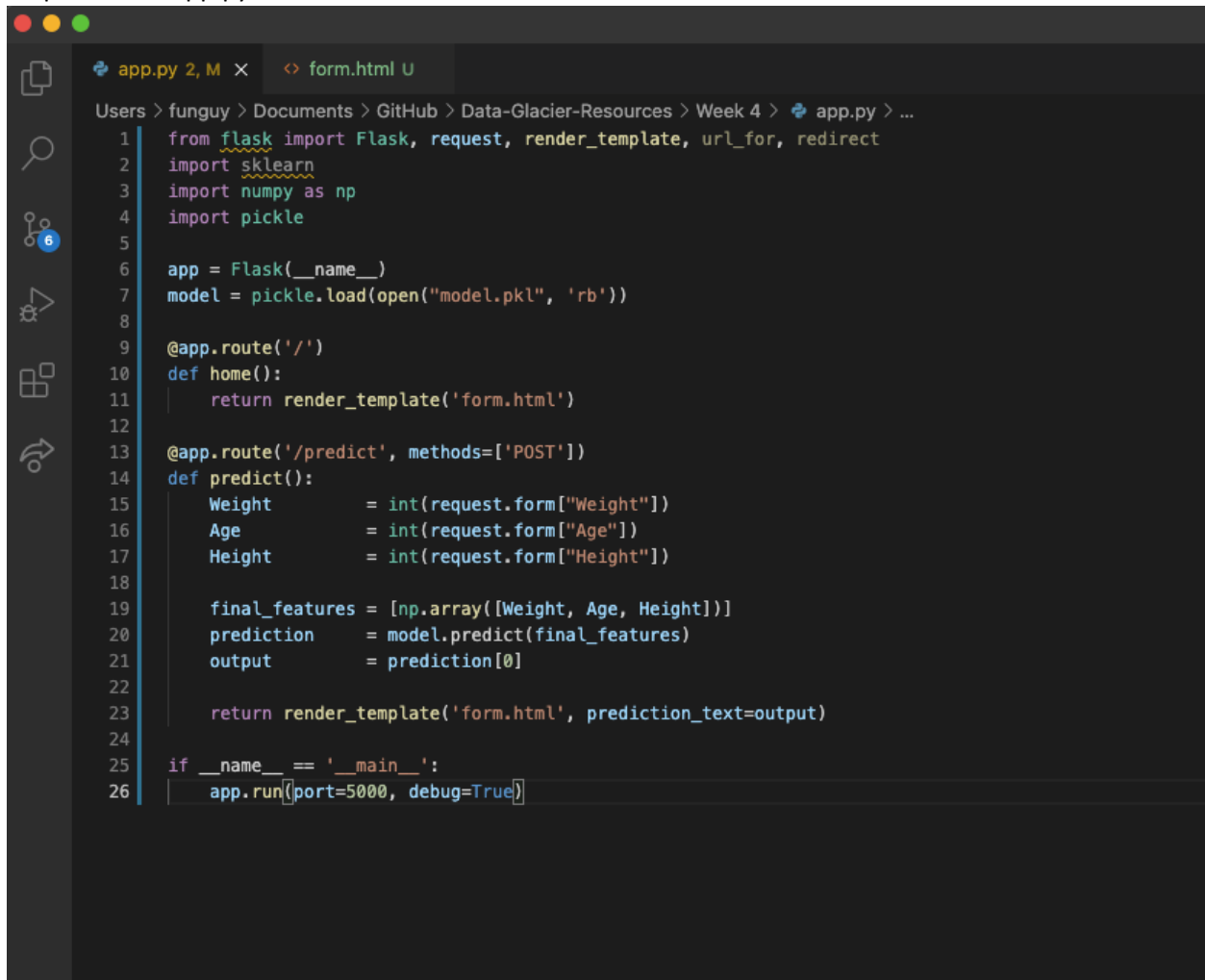
Batch code: LISUMO2

Step 1: make html file



```
1 <html>
2   <head>
3     <title>Estimate Size</title>
4   </head>
5   <body>
6     <h1>Enter Values Below</h1>
7     <form action="{{ url_for('predict')}}" method="post">
8       <div>
9         <label>Weight</label>
10        <input type="text" name="Weight" required="required">
11      </div>
12      <div>
13        <label>Age</label>
14        <input type="text" name="Age" required="required">
15      </div>
16      <div>
17        <label>Height</label>
18        <input type="text" name="Height" required="required">
19      </div>
20      <div>
21        <button type="submit"> Predict</button>
22      </div>
23    </form>
24    <br>
25    <br>
26    {{ prediction_text }}
27  </body>
28</html>
```

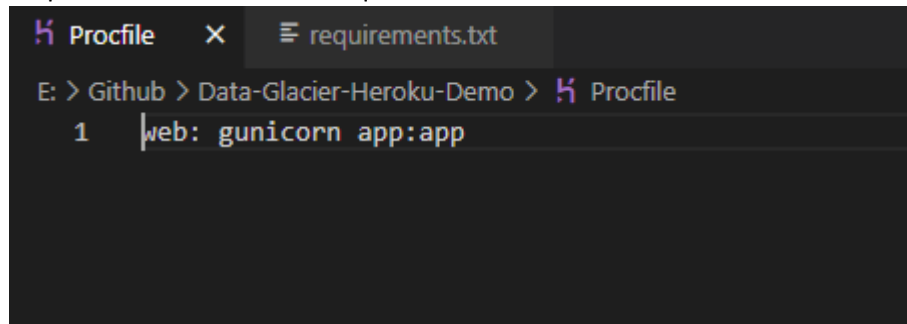
Step 2: create app.py



The screenshot shows a code editor with a dark theme. The top bar has three colored window control buttons (red, yellow, green) on the left. Below them is a sidebar with icons for file explorer, search, source control, and a terminal. The main editor area shows a file named 'app.py' with 26 lines of Python code. The code imports Flask, request, render_template, url_for, redirect, sklearn, numpy, and pickle. It creates a Flask app, loads a model from 'model.pkl', and defines two routes: a home route and a predict route. The predict route takes Weight, Age, and Height as input, processes them, and returns a prediction. The code ends with a main block that runs the app on port 5000 with debug mode enabled.

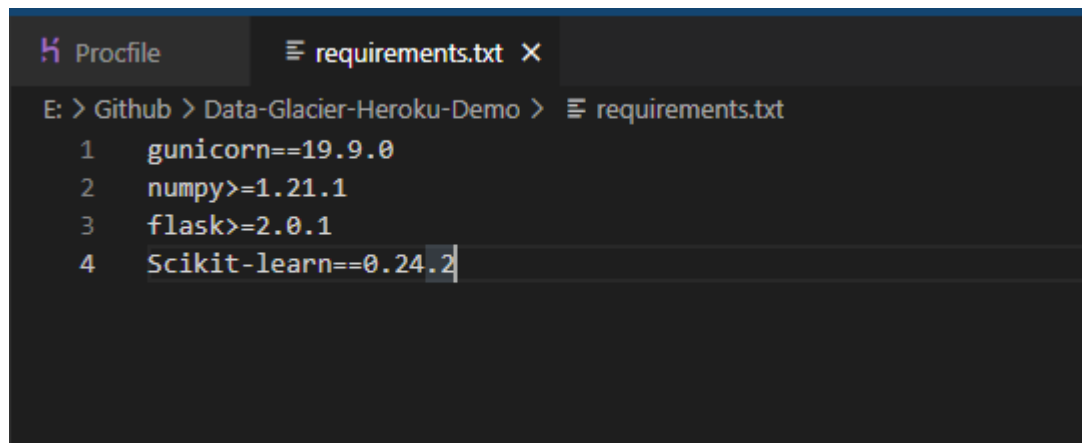
```
1 from flask import Flask, request, render_template, url_for, redirect
2 import sklearn
3 import numpy as np
4 import pickle
5
6 app = Flask(__name__)
7 model = pickle.load(open("model.pkl", 'rb'))
8
9 @app.route('/')
10 def home():
11     return render_template('form.html')
12
13 @app.route('/predict', methods=['POST'])
14 def predict():
15     Weight = int(request.form["Weight"])
16     Age = int(request.form["Age"])
17     Height = int(request.form["Height"])
18
19     final_features = [np.array([Weight, Age, Height])]
20     prediction = model.predict(final_features)
21     output = prediction[0]
22
23     return render_template('form.html', prediction_text=output)
24
25 if __name__ == '__main__':
26     app.run(port=5000, debug=True)
```

Step 3: create Procfile and requirements.txt



A screenshot of a code editor with two tabs: 'Procfile' and 'requirements.txt'. The 'Procfile' tab is active. The editor shows the following content:

```
E: > Github > Data-Glacier-Heroku-Demo > Procfile
1 web: gunicorn app:app
```



A screenshot of a code editor with two tabs: 'Procfile' and 'requirements.txt'. The 'requirements.txt' tab is active. The editor shows the following content:

```
E: > Github > Data-Glacier-Heroku-Demo > requirements.txt
1 gunicorn==19.9.0
2 numpy>=1.21.1
3 flask>=2.0.1
4 Scikit-learn==0.24.2
```

Step 4: deploy on Heroku

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Create New App

App name

shirt-size-prediction-api✔️

shirt-size-prediction-api is available

Choose a region

United States⌵

Add to pipeline...

Create app

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App connected to GitHub
Code diffs, manual and auto deploys are available for this app.

Connected to ArhumAhmad/Data-Glacier-Heroku-Demo by ArhumAhmad Disconnect...
Releases in the activity feed link to GitHub to view commit diffs

Automatic deploys
Enables a chosen branch to be automatically deployed to this app.

You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the instructions here.
Enable automatic deployments from GitHub
Every push to the branch you specify here will deploy a new version of this app. Deploys happen automatically; be sure that this branch is always in a deployable state and any tests have passed before you push. Learn more
Choose a branch to deploy
main⌵
☐ Wait for CI to pass before deployment
Only enable this option if you have a Continuous Integration service configured on your repo.
Enable Automatic Deployments

Manual deploy
Deploy the current state of a branch to this app.

Deploy a GitHub branch
This will deploy the current state of the branch you specify below. Learn more
Choose a branch to deploy
main⌵ Deploy Branch

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

main

☐ Wait for CI to pass before deploy
Only enable this option if you have a Continuous Integration service configured on your repo.

Enable Automatic Deploys

Manual deploy
Deploy the current state of a branch to this app.

Deploy a GitHub branch
This will deploy the current state of the branch you specify below. [Learn more](#)

Choose a branch to deploy

main

Deploy Branch

Receive code from GitHub ✓

Build main 421cd4c ✓

Release phase ✓

Deploy to Heroku ✓

Your app was successfully deployed.

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Step 5: data entry

← → ↺ 🏠

🛡️ https://shirt-size-prediction-api.herokuapp.com

Enter Values Below

Weight

Age

Height



https://shirt-size-prediction-api.herokuapp.com/predict

Enter Values Below

Weight

Age

Height

Predict

XXXL