Week5: Cloud and API deployment
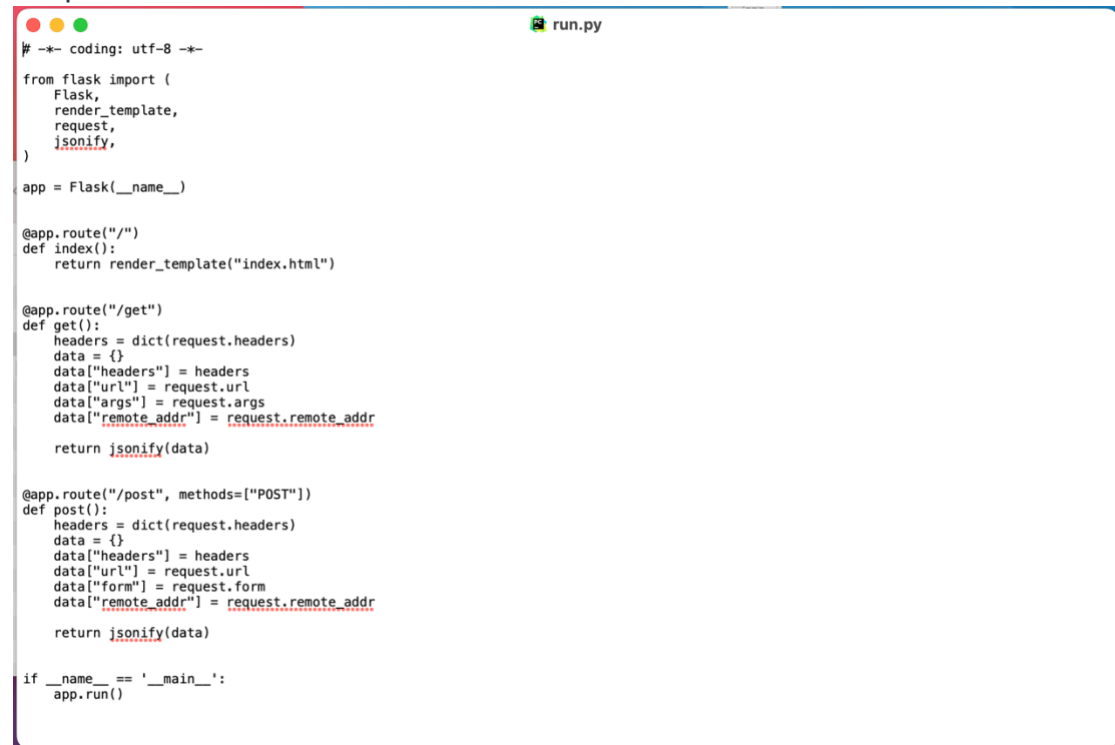
Name：Jinwen Li
Batch code: LISUM11: 30
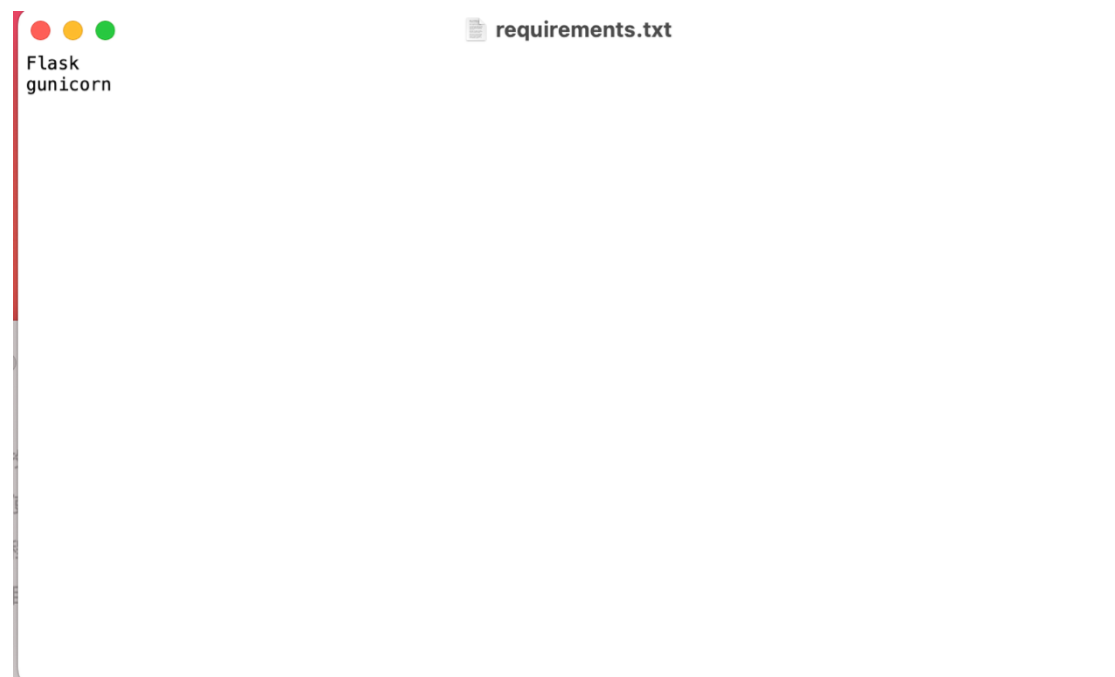Submission date: 8/3/2022
Submitted to: Data Science Track

Snapshots:

run.py

```python
# -*- coding: utf-8 -*-

from flask import (
    Flask,
    render_template,
    request,
    jsonify,
)

app = Flask(__name__)

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

@app.route("/get")
def get():
    headers = dict(request.headers)
    data = {}
    data["headers"] = headers
    data["url"] = request.url
    data["args"] = request.args
    data["remote_addr"] = request.remote_addr

    return jsonify(data)

@app.route("/post", methods=["POST"])
def post():
    headers = dict(request.headers)
    data = {}
    data["headers"] = headers
    data["url"] = request.url
    data["form"] = request.form
    data["remote_addr"] = request.remote_addr

    return jsonify(data)

if __name__ == '__main__':
    app.run()
```

requirements.txt

```
Flask
gunicorn
```

Procfile

```
web: gunicorn run:app
```

HEROKU

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

App connected to GitHub

Code diffs, manual and auto deploys are available for this app.

Connected to 📄 jinwen0826/test by ✳ jinwen0826

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 deploys 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

⑂ master ⇅

☐ Wait for CI to pass before deploy

Only enable this option if you have a Continuous Integration service configured on your repo.
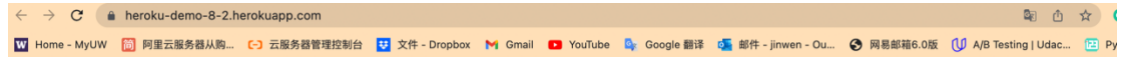
Enable Automatic Deploys

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

⑂ master ⇅   **Deploy Branch**

Crawler request header, request parameter test

GET request

get

POST request

name: [ ]

age: [ ]

提交

author： https://github.com/mouday

reference： https://httpbin.org/

{"form":{"age":"24","name":"echo"},"headers":{"Accept":"text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9","Accept-Encoding":"gzip, deflate, br","Accept-Language":"zh-CN,zh;q=0.9","Cache-Control":"max-age=0","Connect-Time":"0","Connection":"close","Content-Length":"16","Content-Type":"application/x-www-form-urlencoded","Host":"heroku-demo-8-2.herokuapp.com","Origin":"https://heroku-demo-8-2.herokuapp.com","Referer":"https://heroku-demo-8-2.herokuapp.com/","Sec-Ch-Ua":"\".Not/A)Brand\";v=\"99\", \"Google Chrome\";v=\"103\", \"Chromium\";v=\"103\"","Sec-Ch-Ua-Mobile":"?0","Sec-Ch-Ua-Platform":"\"macOS\"","Sec-Fetch-Dest":"document","Sec-Fetch-Mode":"navigate","Sec-Fetch-Site":"same-origin","Sec-Fetch-User":"?1","Total-Route-Time":"0","Upgrade-Insecure-Requests":"1","User-Agent":"Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/103.0.0.0 Safari/537.36","Via":"1.1 vegur","X-Forwarded-For":"24.18.94.67","X-Forwarded-Port":"443","X-Forwarded-Proto":"https","X-Request-Id":"ab71a485-15e3-4cbf-bc74-7d7bdd88b7a0","X-Request-Start":"1659598671803"},"remote_addr":"10.1.25.176","url":"https://heroku-demo-8-2.herokuapp.com/post"}