<https://www.youtube.com/watch?v=pmRT8QQLIqk>

Python: Deploy Flask to Heroku

1. Install Flask and Gunicorn
   * In terminal, type “pip3 install flask gunicorn”
2. Install virtualenv
   * Type “pip3 install virtualenv”
3. 3 files required:
   * Flask application (e.g. home.py)
     1. E.g. codes:
4. from flask import Flask
5. app = Flask(\_\_name\_\_)
6. @app.route("/")
7. def hello():
8. return "Hello World!"
9. if \_\_name\_\_ == "\_\_main\_\_":
10. app.run()
    * List of python dependencies
      1. In terminal, type “pip freeze” to see the dependencies we have
      2. To copy all the dependencies, type “pip freeze > requirements.txt”
    * Procfile (Name one process per line for Heroku)
      1. Create Procfile
      2. In the file, type “web: gunicorn <python file without .py>:app” (e.g. web: gunicorn home:app)
11. Test if the application works
    * Type “python3 home.py”
    * Go to localhost:5000 on the browser
12. Create an application on Heroku
    * Go to the web page and create an app
13. Authenticate your tool:
    * Type “heroku login” on terminal
    * Fill in your username and password for your Heroku account
14. Initialize as git repository
    * Type “git init” in the application folder
15. Add Heroku server as a git repository
    * Type “Heroku git:remote -a <app name>”
16. Commit the files
    * Type “git add .”
    * Type “git commit -m “first commit””
17. Push to Heroku
    * Type “git push heroku master”
    * \*\*to overwrite existing app – “git push -f heroku master”

HTML for loop, if-else, block content: <https://www.youtube.com/watch?v=QnDWIZuWYW0>