1. Sign up for a free Heroku account at <https://signup.heroku.com/signup/dc>
2. Make sure you have [git](https://git-scm.com/book/en/v2/Getting-Started-Installing-Git) installed, to push your app to Heroku.
3. Install the [Heroku CLI tool](https://devcenter.heroku.com/articles/heroku-cli" \l "download-and-install).

## Make a git repository for your web app

Inside the webapp folder, run the following to create a new repository.

git init

## Authenticate with Heroku

Once this is done, you can log into your Heroku account using the CLI

heroku login

## Create a new Heroku app

heroku create

By default, this will make an app with a random name. If you want to choose your own name, simply pass it as an argument. For example:

heroku create lgirisflower

## Create the required Heroku files

You will need two files, placed inside the webapp folder.

1. requirements.txt - this tells Heroku which packages to install for your web app. It should look like this:

flask  
pandas  
gunicorn

Procfile - this tells Heroku what kind of app you are running and how to serve it to users. It is a single line and should look like this:

web: gunicorn app:app

Your web app folder should now look like this:

webapp/  
 ├── model/  
 │ └── model.pkl  
 ├── templates/  
 │ └── main.html  
 ├── requirements.txt  
 ├── Procfile  
 └── app.py

## Add files to repository

While in the webapp folder, use the following command to add all your web app's files to the git repository:

git add .  
git commit -m "First commit!"

## Set the remote destination for pushing from git to Heroku

This command makes it easier to push your local web app to Heroku, using git. You should change lgirisflower to whatever you named your Heroku app when you created it.

heroku git:remote -a lgirisflower

## Push your app to the web

Just one more command and your web app will be online. During this process, Heroku will upload your app files, install the packages it needs and start the app running.

git push heroku master

If everything goes as expected, you’ll see output showing things being installed and uploaded.

## Check out the deployed app!

You can use the heroku open command to open your completed app in the web browser. Alternatively, just go to [http://lgirisflower.herokuapp.com](http://bike-model.herokuapp.com/) You can share that link with whoever you want to see your model.

(base) drvikasthada@MyLapi:~/IrisFlower$ git init

Initialized empty Git repository in /home/drvikasthada/IrisFlower/.git/

(base) drvikasthada@MyLapi:~/IrisFlower$ heroku login

heroku: Press any key to open up the browser to login or q to exit:

Opening browser to https://cli-auth.heroku.com/auth/cli/browser/22fbbf5f-7f02-4ded-b0d1-84377f24e77c?requestor=SFMyNTY.g2gDbQAAAA4xNTcuNDcuMjMxLjE4M24GAEv7vmZ6AWIAAVGA.7JYxsrH9BHzuF-tiGGmLxQONaRpZIFlTFKcKvfNKI7M

Logging in... done

Logged in as drvikasthada@gmail.com

(base) drvikasthada@MyLapi:~/IrisFlower$ heroku create IrisFlower

Creating ⬢ IrisFlower... !

▸ Name must start with a letter, end with a letter or digit and can only

▸ contain lowercase letters, digits, and dashes.

(base) drvikasthada@MyLapi:~/IrisFlower$ heroku create irisflower

Creating ⬢ irisflower... !

▸ Name irisflower is already taken

(base) drvikasthada@MyLapi:~/IrisFlower$ heroku create irisclass

Creating ⬢ irisclass... !

▸ Name irisclass is already taken

(base) drvikasthada@MyLapi:~/IrisFlower$ heroku create lgirisclass

Creating ⬢ lgirisclass... done

https://lgirisclass.herokuapp.com/ | https://git.heroku.com/lgirisclass.git

(base) drvikasthada@MyLapi:~/IrisFlower$ git add .

(base) drvikasthada@MyLapi:~/IrisFlower$ git commit -m "First commit"

[master (root-commit) 4d83233] First commit

9 files changed, 339 insertions(+)

create mode 100644 Procfile

create mode 100644 \_\_pycache\_\_/app.cpython-38.pyc

create mode 100644 \_\_pycache\_\_/model.cpython-38.pyc

create mode 100644 app.py

create mode 100644 iris.csv

create mode 100644 model.py

create mode 100644 requirements.txt

create mode 100644 templates/home.html

create mode 100644 templates/output.html

(base) drvikasthada@MyLapi:~/IrisFlower$ git push heroku master

Counting objects: 13, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (11/11), done.

Writing objects: 100% (13/13), 5.04 KiB | 2.52 MiB/s, done.

Total 13 (delta 0), reused 0 (delta 0)

remote: Compressing source files... done.

remote: Building source:

remote:

remote: -----> Building on the Heroku-20 stack

remote: -----> Determining which buildpack to use for this app

remote: -----> Python app detected

remote: -----> No Python version was specified. Using the buildpack default: python-3.9.6

remote: To use a different version, see: https://devcenter.heroku.com/articles/python-runtimes

remote: -----> Installing python-3.9.6

remote: -----> Installing pip 20.2.4, setuptools 47.1.1 and wheel 0.36.2

remote: -----> Installing SQLite3

remote: -----> Installing requirements with pip

remote: Collecting flask

remote: Downloading Flask-2.0.1-py3-none-any.whl (94 kB)

remote: Collecting pandas

remote: Downloading pandas-1.2.5-cp39-cp39-manylinux\_2\_5\_x86\_64.manylinux1\_x86\_64.whl (9.7 MB)

remote: Collecting gunicorn

remote: Downloading gunicorn-20.1.0-py3-none-any.whl (79 kB)

remote: Collecting sklearn

remote: Downloading sklearn-0.0.tar.gz (1.1 kB)

remote: Collecting Jinja2>=3.0

remote: Downloading Jinja2-3.0.1-py3-none-any.whl (133 kB)

remote: Collecting Werkzeug>=2.0

remote: Downloading Werkzeug-2.0.1-py3-none-any.whl (288 kB)

remote: Collecting click>=7.1.2

remote: Downloading click-8.0.1-py3-none-any.whl (97 kB)

remote: Collecting itsdangerous>=2.0

remote: Downloading itsdangerous-2.0.1-py3-none-any.whl (18 kB)

remote: Collecting pytz>=2017.3

remote: Downloading pytz-2021.1-py2.py3-none-any.whl (510 kB)

remote: Collecting python-dateutil>=2.7.3

remote: Downloading python\_dateutil-2.8.1-py2.py3-none-any.whl (227 kB)

remote: Collecting numpy>=1.16.5

remote: Downloading numpy-1.21.0-cp39-cp39-manylinux\_2\_12\_x86\_64.manylinux2010\_x86\_64.whl (15.7 MB)

remote: Collecting scikit-learn

remote: Downloading scikit\_learn-0.24.2-cp39-cp39-manylinux2010\_x86\_64.whl (23.8 MB)

remote: Collecting MarkupSafe>=2.0

remote: Downloading MarkupSafe-2.0.1-cp39-cp39-manylinux2010\_x86\_64.whl (30 kB)

remote: Collecting six>=1.5

remote: Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)

remote: Collecting threadpoolctl>=2.0.0

remote: Downloading threadpoolctl-2.1.0-py3-none-any.whl (12 kB)

remote: Collecting scipy>=0.19.1

remote: Downloading scipy-1.7.0-cp39-cp39-manylinux\_2\_5\_x86\_64.manylinux1\_x86\_64.whl (28.4 MB)

remote: Collecting joblib>=0.11

remote: Downloading joblib-1.0.1-py3-none-any.whl (303 kB)

remote: Building wheels for collected packages: sklearn

remote: Building wheel for sklearn (setup.py): started

remote: Building wheel for sklearn (setup.py): finished with status 'done'

remote: Created wheel for sklearn: filename=sklearn-0.0-py2.py3-none-any.whl size=1316 sha256=24af5efd683b87d83e031c867b5d62be31e8bf039d1f026c5601ebb708d0a003

remote: Stored in directory: /tmp/pip-ephem-wheel-cache-48aabmg1/wheels/e4/7b/98/b6466d71b8d738a0c547008b9eb39bf8676d1ff6ca4b22af1c

remote: Successfully built sklearn

remote: Installing collected packages: MarkupSafe, Jinja2, Werkzeug, click, itsdangerous, flask, pytz, six, python-dateutil, numpy, pandas, gunicorn, threadpoolctl, scipy, joblib, scikit-learn, sklearn

remote: Successfully installed Jinja2-3.0.1 MarkupSafe-2.0.1 Werkzeug-2.0.1 click-8.0.1 flask-2.0.1 gunicorn-20.1.0 itsdangerous-2.0.1 joblib-1.0.1 numpy-1.21.0 pandas-1.2.5 python-dateutil-2.8.1 pytz-2021.1 scikit-learn-0.24.2 scipy-1.7.0 six-1.16.0 sklearn-0.0 threadpoolctl-2.1.0

remote: -----> Discovering process types

remote: Procfile declares types -> web

remote:

remote: -----> Compressing...

remote: Done: 139.4M

remote: -----> Launching...

remote: Released v3

remote: https://lgirisclass.herokuapp.com/ deployed to Heroku

remote:

remote: Verifying deploy... done.

To https://git.heroku.com/lgirisclass.git

\* [new branch] master -> master

(base) drvikasthada@MyLapi:~/IrisFlower$ ^C

(base) drvikasthada@MyLapi:~/IrisFlower$