

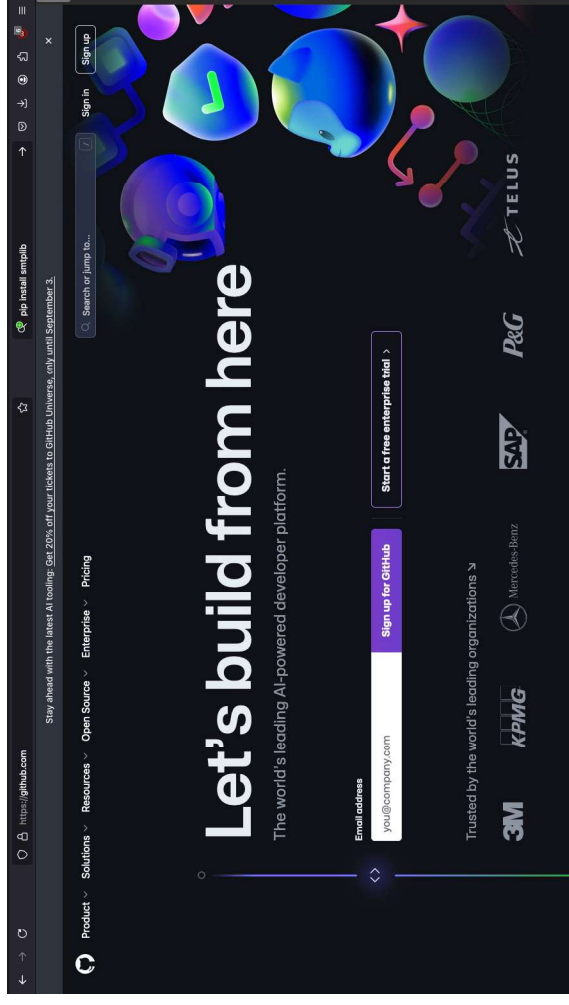
ON CLOUD

- Deploying an App in the Cloud with Streamlit Share
 - Once you have designed an application and have tested it locally, it comes time to share it with others.
 - We can do this with Streamlit by leveraging several different cloud-based services.
 - Streamlit offers a free Streamlit Share service that lets users share their apps.

Credit: https://python-textbook.pythonhumanities.com/05_streamlit/05_03_cloud.html

ON CLOUD

- Create a GitHub Account (<https://github.com/>)
 - In order to deploy your application, you will need a place to store your application's source code.
 - The easiest way to do this is via GitHub which Streamlit and many other application hosting services support.

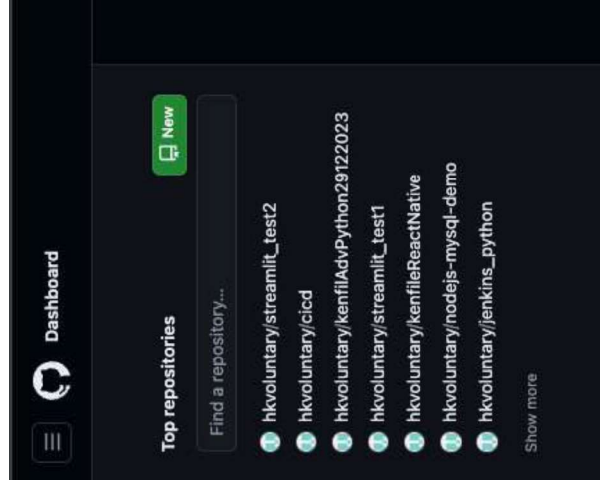


ON CLOUD

- Upload Application to GitHub
 - Once you have created your GitHub account, you can create a repository and upload the code into the repository.
 - If you are just starting out with GitHub, getting used to Git (version control system) can be a bit daunting. It is powerful, but has a steep learning curve.
 - To upload your application formally, you would want to be familiar with Git and how to perform basic tasks, such as cloning a repository, adding files to it, committing those changes, and then pushing them to the repository.
 - While this is the easier approach, it is not the only one. For now, you can get your application up and running entirely in your browser.

ON CLOUD

- Create a new repository

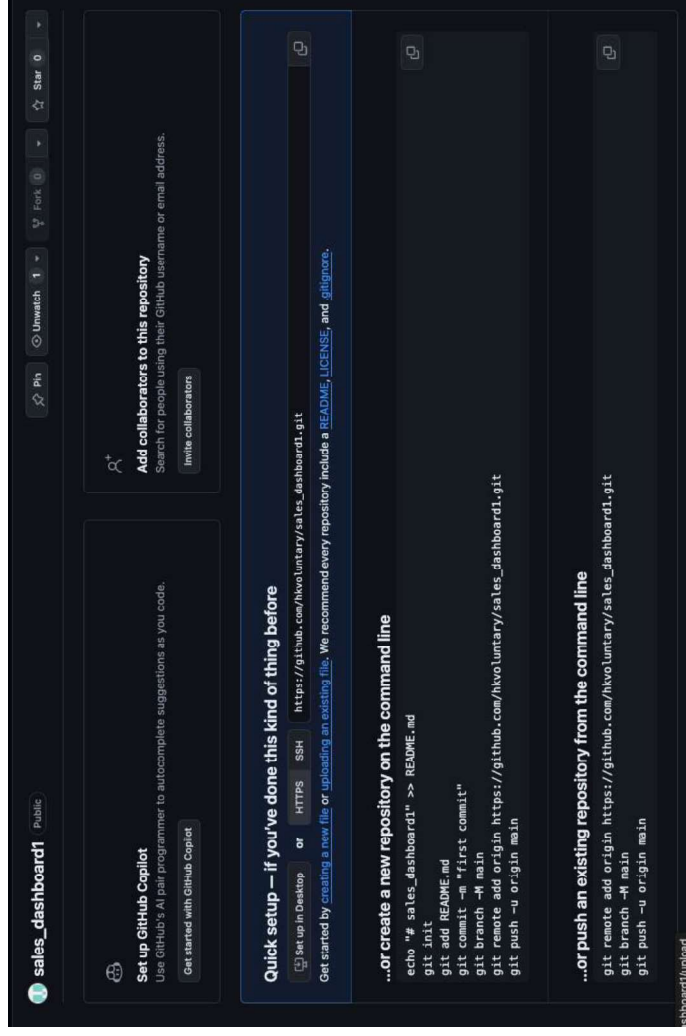


- Click “New”, you will see the following screen:
- Fill out the details of our repository.
https://github.com/hkvoluntary/sales_dashboard
- Need provide an unique name.
- Keep all other settings with default setting.
- Click Create repository.



ON CLOUD

- A new screen that looks like this
- Ready to upload local file to the repository

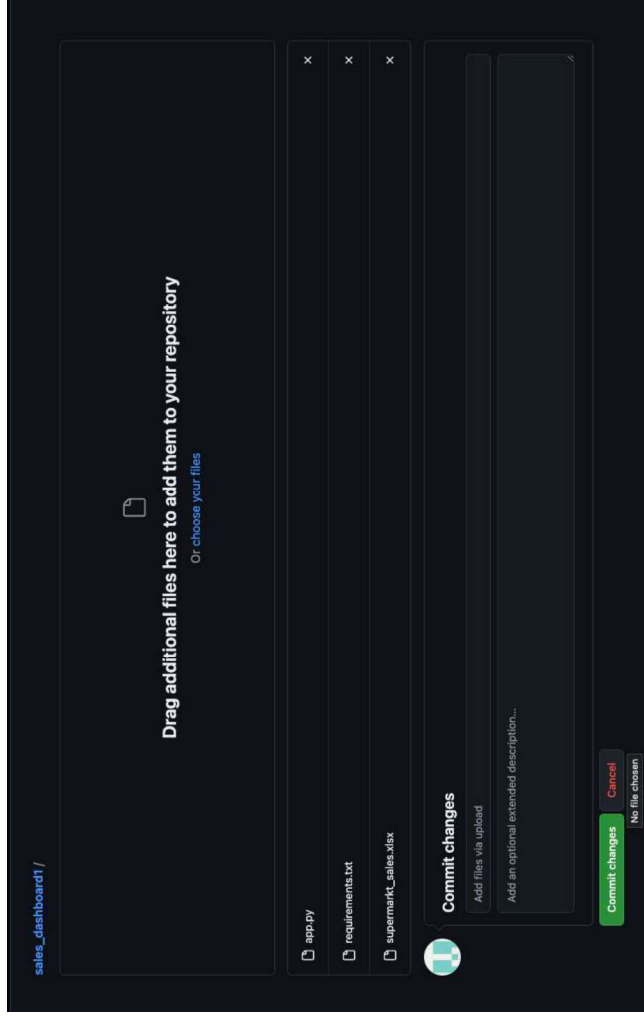


ON CLOUD

- Before uploading, we need to review “requirements.txt” to make sure the python package is up-to-day.

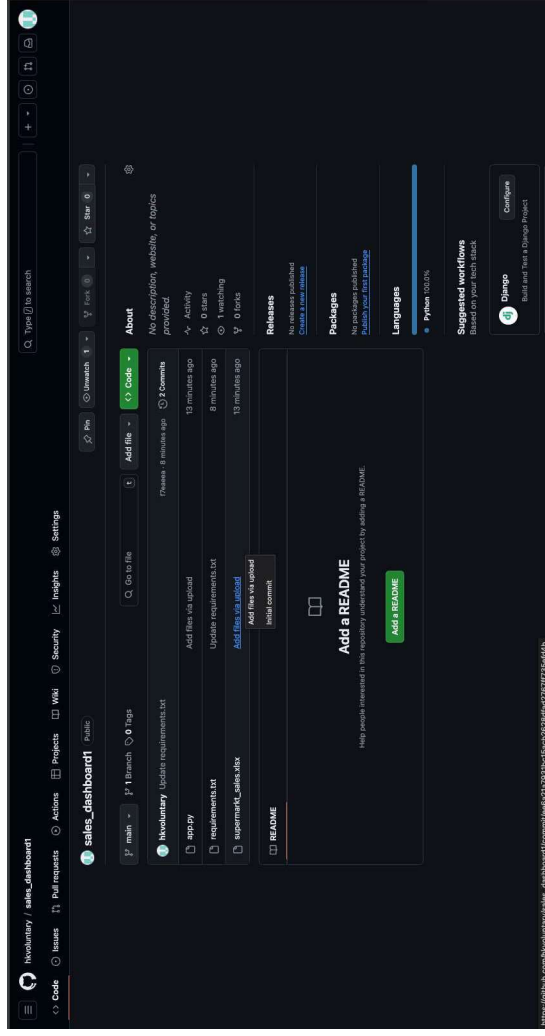
```
openpyxl== 3.1.5  
plotly==5.23.0  
pandas==2.2.2  
streamlit==1.37.1
```

- Once click on “uploading an existing file” and select those 3 file we mentioned earlier, you will see a below screen
- Click on Commit changes



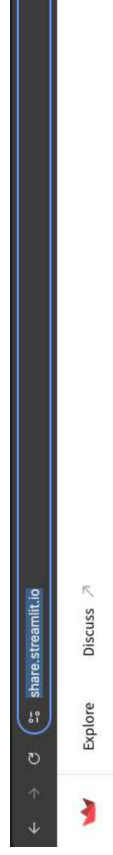
ON CLOUD

- Committed the codes



ON CLOUD

- Goto <https://share.streamlit.io> to deploy an app



Streamlit Hub

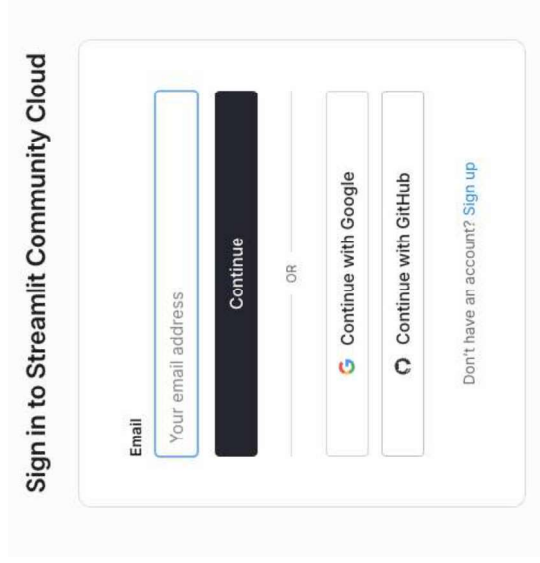
A place for the community to publicly share Streamlit apps and learn from each other!

[Continue to sign-in](#)

By signing in, I agree to the [Terms of Service](#) and understand Streamlit will process my personal information in accordance with its [Privacy Notice](#).

ON CLOUD

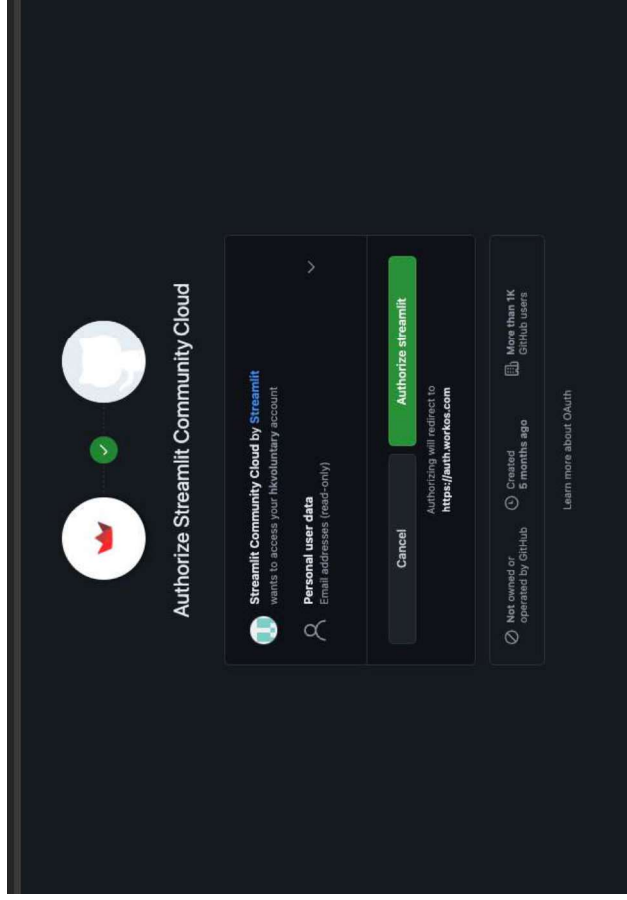
- Connect Streamlit Share to your GitHub
 - Now that we have our repository created, we need to link Streamlit Share to our GitHub.
 - To sign in to Streamlit Community Cloud, click on “Continue to sign-in”



The screenshot shows the 'Sign in to Streamlit Community Cloud' interface. It features a form with an 'Email' label and a text input field containing 'Your email address'. Below the input field is a dark blue 'Continue' button. To the right of the button is a horizontal line with 'OR' in the center. Below this line are two more buttons: 'Continue with Google' (with the Google logo) and 'Continue with GitHub' (with the GitHub logo). At the bottom right of the form is a link that says 'Don't have an account? Sign up'.

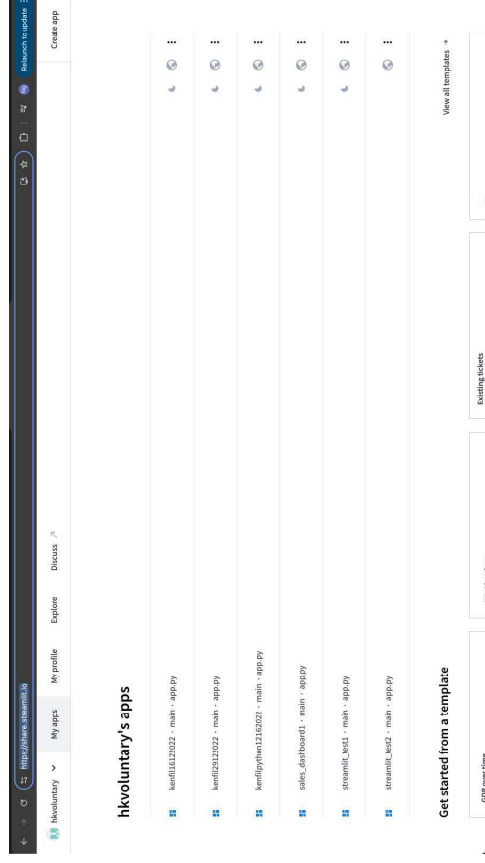
ON CLOUD

- Select Continue with GitHub and use your GitHub credentials for login verification.



ON CLOUD

- Once you are logged in, you will see a screen that looks like this at the top

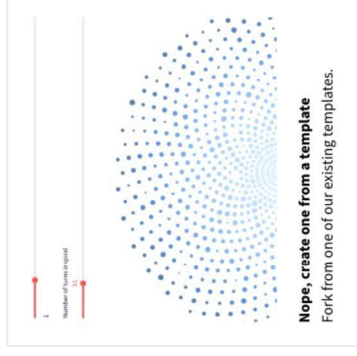


ON CLOUD

- Create a New App, click on the top right corner
- Select New App. After a few seconds, you will be taken to a page that looks like this:

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Do you already have an app?



ON CLOUD

- Select your repository just created in Github.
 - Streamlit will be connected to your GitHub, so you will be able to see all your repositories, both private and public.
- Select the branch of your repository. i.e. “main”
 - Branches are a function of Git. By default, your application will be on the main branch of your repository.
- Select the main Python file. i.e. ”app.py”
- Once you have filled out these three fields, click Deploy!.

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Deploy an app

Repository

hkvolutary/sales_dashboard1

Paste GitHub URL

Branch

main

Main file path

app.py

App URL (optional)

salesdashboard1.git-v2crggcktebc4j289ezerr

.streamlit.app

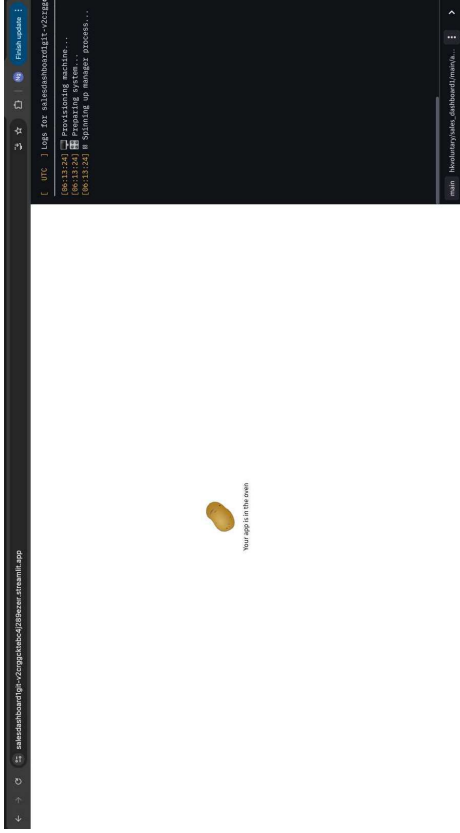
Domain is available

Advanced settings

Deploy!

ON CLOUD

- Your app is in the oven



- Couple minutes later. The dashboard should be deployed.

