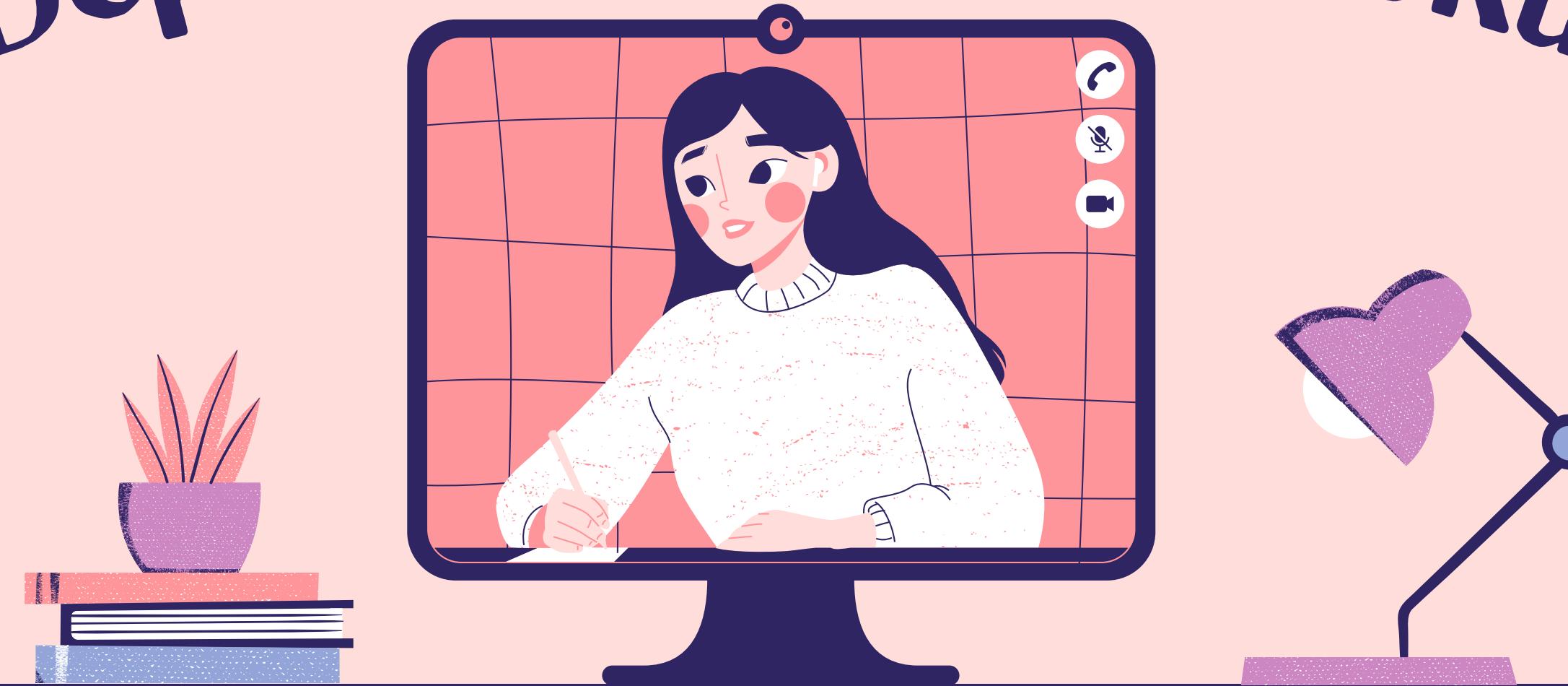


JumaTec Class

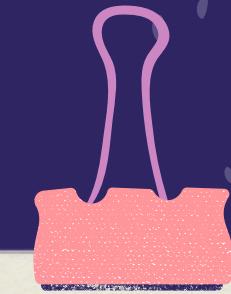
Deployment with Heroku



By Ayu Susanti

PROFIL

Halo!



Saya Ayu Susanti seorang mahasiswa prodi S1 Akuntansi angkatan 2018, Universitas Lampung. Selama berkuliah saya aktif berorganisasi, dan terus meningkatkan kemampuan saya. Saya memiliki hobi membaca dan saya juga menyukai hal-hal baru.



github.com/Ayususanti



Ayu Susanti

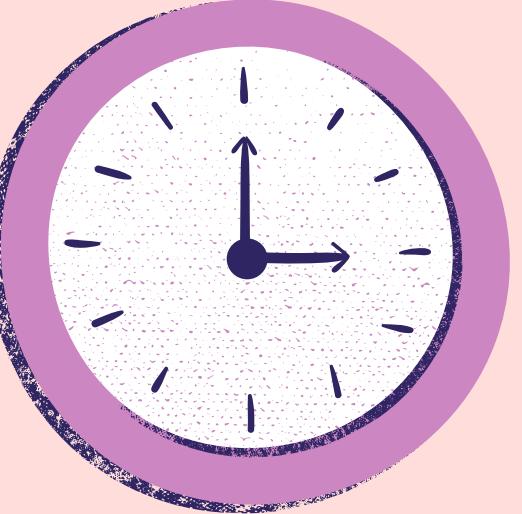


@_ayususanti

Apa itu HEROKU?

Heroku adalah platform cloud sebagai layanan yang mendukung beberapa bahasa pemrograman.

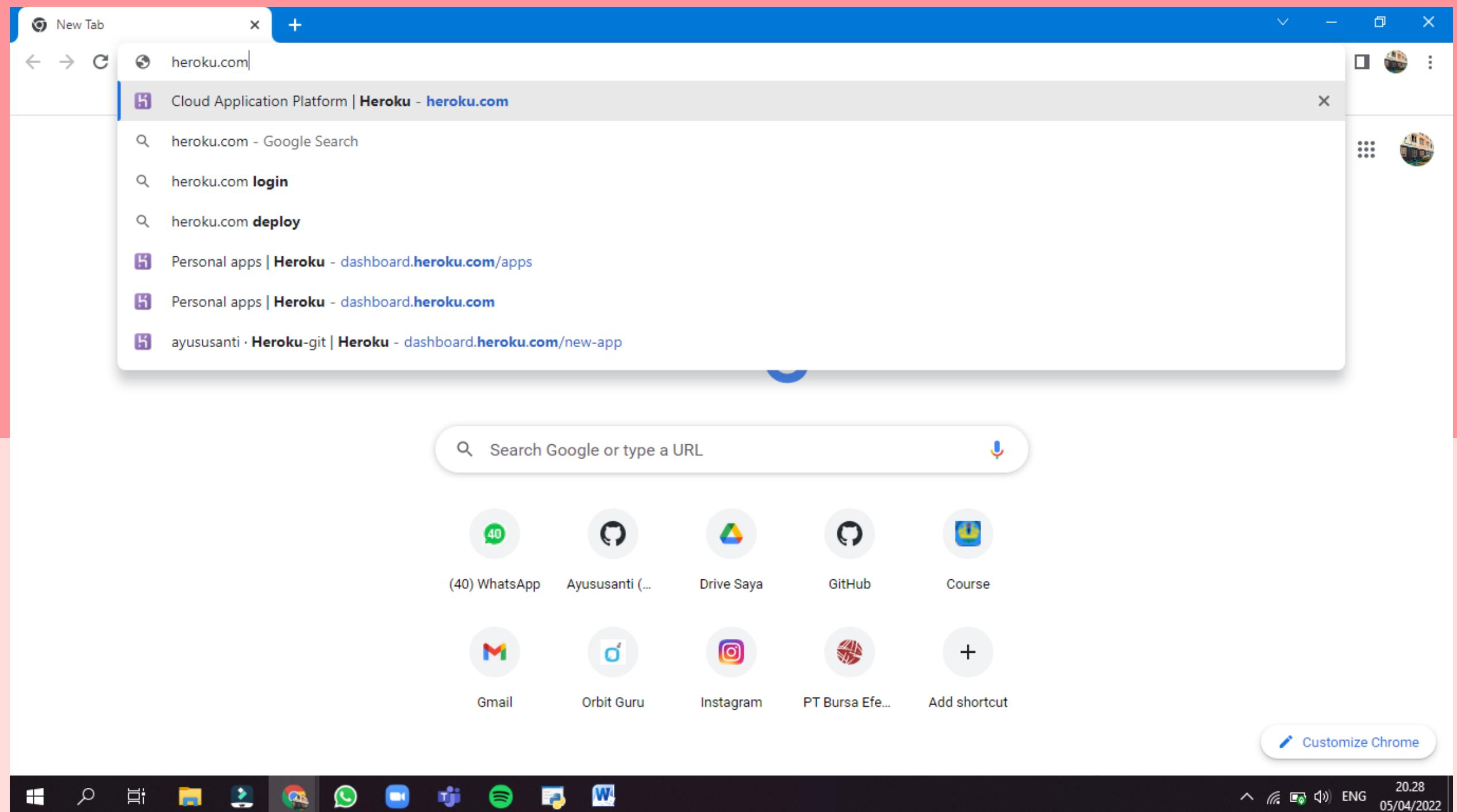
Salah satu platform cloud pertama, Heroku telah dikembangkan sejak Juni 2007, ketika hanya mendukung bahasa pemrograman Ruby, tetapi sekarang mendukung Java, Node.js, Scala, Clojure, Python, PHP, dan Go.



**TUTORIAL CARA
MELAKUKAN
DEPLOYMENT
SEBUAH APLIKASI
MENGGUNAKAN
HEROKU**

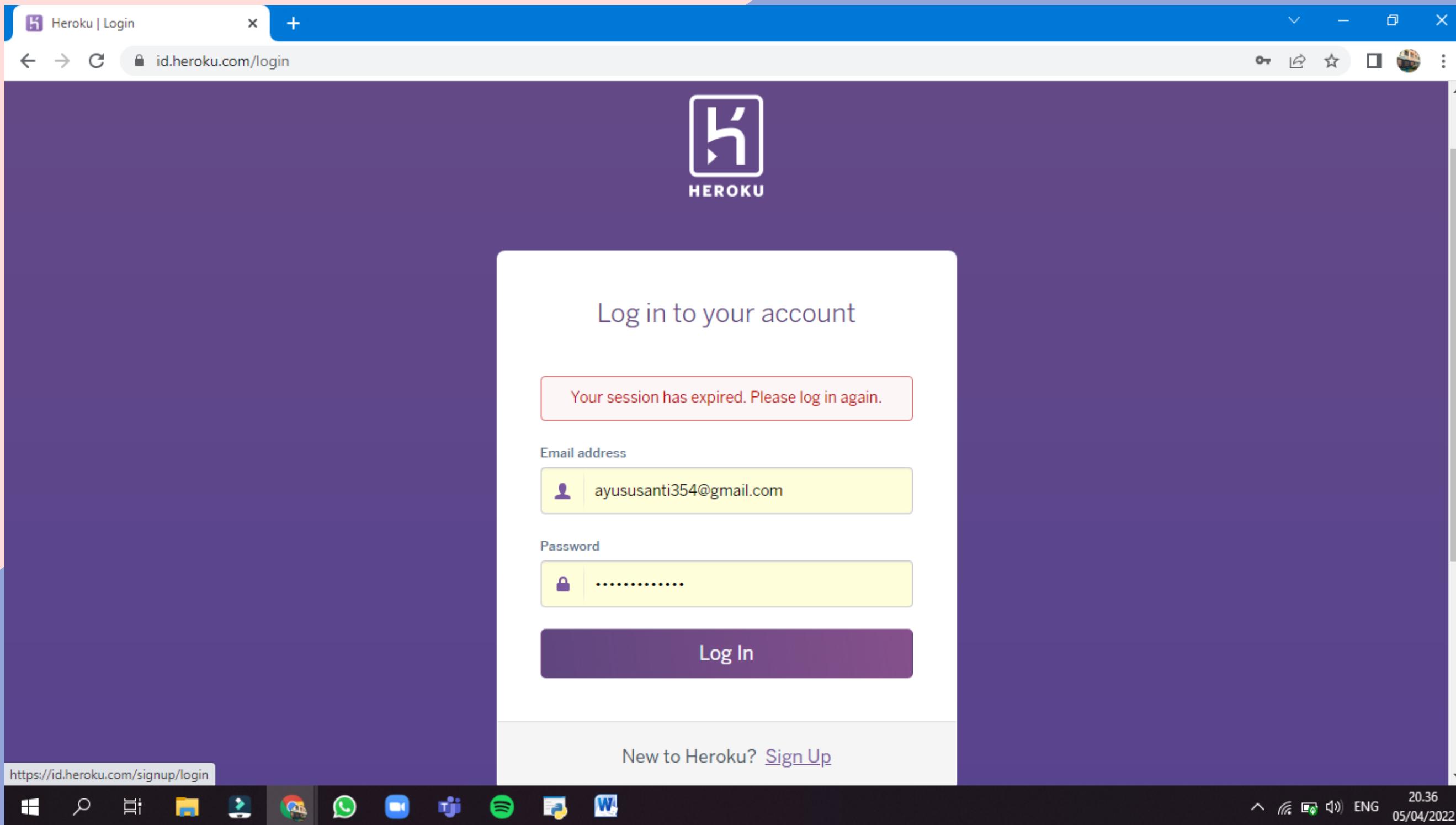


Step 1



Buka website heroku.com pada browser Anda

Step 2



Kemudian login ke akun heroku masukkan email dan password Anda, jika belum memiliki akun maka bisa klik "Sign Up" dan ikuti arahan pembuatan akunnya

Step 3

The screenshot shows the Heroku dashboard with a purple header bar. The main content area has a purple background with a sunburst and cloud illustration. A prominent banner at the top left says "Welcome to Heroku" and "Now that your account has been set up, here's how to get started." It includes a "Dismiss" button. Below the banner, there are two main sections: "Create a new app" (with a hexagon icon) and "Create a team" (with a people icon). Each section has a brief description and a "Create new app" or "Create a team" button. At the bottom, there's a link to language guides in the Dev Center and a system tray with icons like search, file, and task manager.

Selanjutnya adalah membuat aplikasi kita dengan cara klik “Create New App”



Step 4

The screenshot shows a web browser window titled "Create New App | Heroku" with the URL "dashboard.heroku.com/new-app". The page is titled "Create New App". It has fields for "App name" (containing "app-name") and "Choose a region" (set to "United States"). There is also a "Add to pipeline..." button. At the bottom is a "Create app" button. The browser's address bar shows "dashboard.heroku.com/new-app" and includes icons for back, forward, search, and refresh. The status bar at the bottom right shows "21.00 05/04/2022".

Selanjutnya memberi nama aplikasi sesuai keinginan Anda, lalu klik
“Create App”

Step 5

The screenshot shows the Heroku dashboard for the app "ayu-deployment". The top navigation bar includes links for "Salesforce Platform" and the Heroku logo. A search bar says "Jump to Favorites, Apps, Pipelines, Spaces...".

Add this app to a pipeline
Create a new pipeline or choose an existing one and add this app to a stage in it.

Add this app to a stage in a pipeline to enable additional features

- Pipelines let you connect multiple apps together and **promote code** between them. [Learn more.](#)
- Pipelines connected to GitHub can enable **review apps**, and create apps for new pull requests. [Learn more.](#)

Choose a pipeline

Deployment method

- Heroku Git** Use Heroku CLI
- GitHub** Connect to GitHub
- Container Registry** Use Heroku CLI

Deploy using Heroku Git
Use git in the command line or a GUI tool to deploy this app.

Install the Heroku CLI
Download and install the [Heroku CLI](#).
If you haven't already, log in to your Heroku account and follow the prompts to create a new SSH public key.

```
$ heroku login
```

Create a new Git repository

Kemudian Anda harus mengunduh software heroku dengan cara klik
“Heroku CLI”

Step 6



The Heroku CLI | Heroku Dev Cen x +

← → C devcenter.heroku.com/articles/heroku-cli#install-the-heroku-cli

macOS

```
$ brew tap heroku/brew && brew install heroku
```

Windows

Download the appropriate installer for your Windows installation:

64-bit installer

32-bit installer

Ubuntu 16+

Run the following from your terminal:

```
$ sudo snap install --classic heroku
```

Snap is available on other Linux OS's as well.

Standalone Installation with a Tarball

09.26
06/04/2022

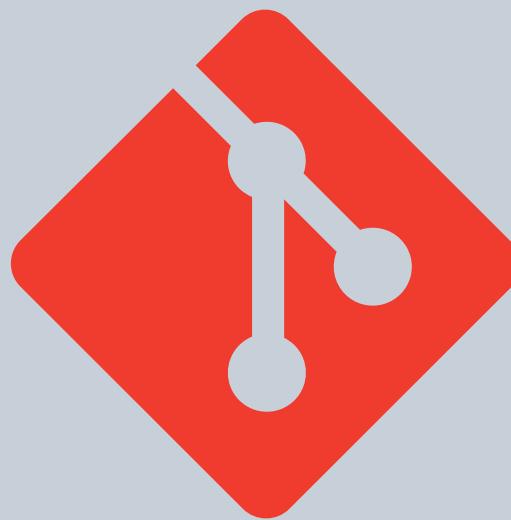
A screenshot of a web browser window showing the Heroku Dev Center article on installing the Heroku CLI. The page provides instructions for macOS, Windows, and Ubuntu 16+. For Windows, it offers 64-bit and 32-bit installers. For Ubuntu, it shows a terminal command to use snap. A link at the bottom indicates a standalone tarball is also available. The browser's address bar shows the URL: devcenter.heroku.com/articles/heroku-cli#install-the-heroku-cli. The operating system taskbar at the bottom includes icons for File Explorer, Google Chrome, WhatsApp, Microsoft Edge, Microsoft Teams, Spotify, and File Explorer again. The date and time on the taskbar are 09.26 06/04/2022.

Unduh software dengan cara klik “64-bit installer“ atau “32-bit installer“ sesuaikan dengan spec laptop Anda. Lalu buka dan install, cukup ikuti saja panduannya

Git Bash

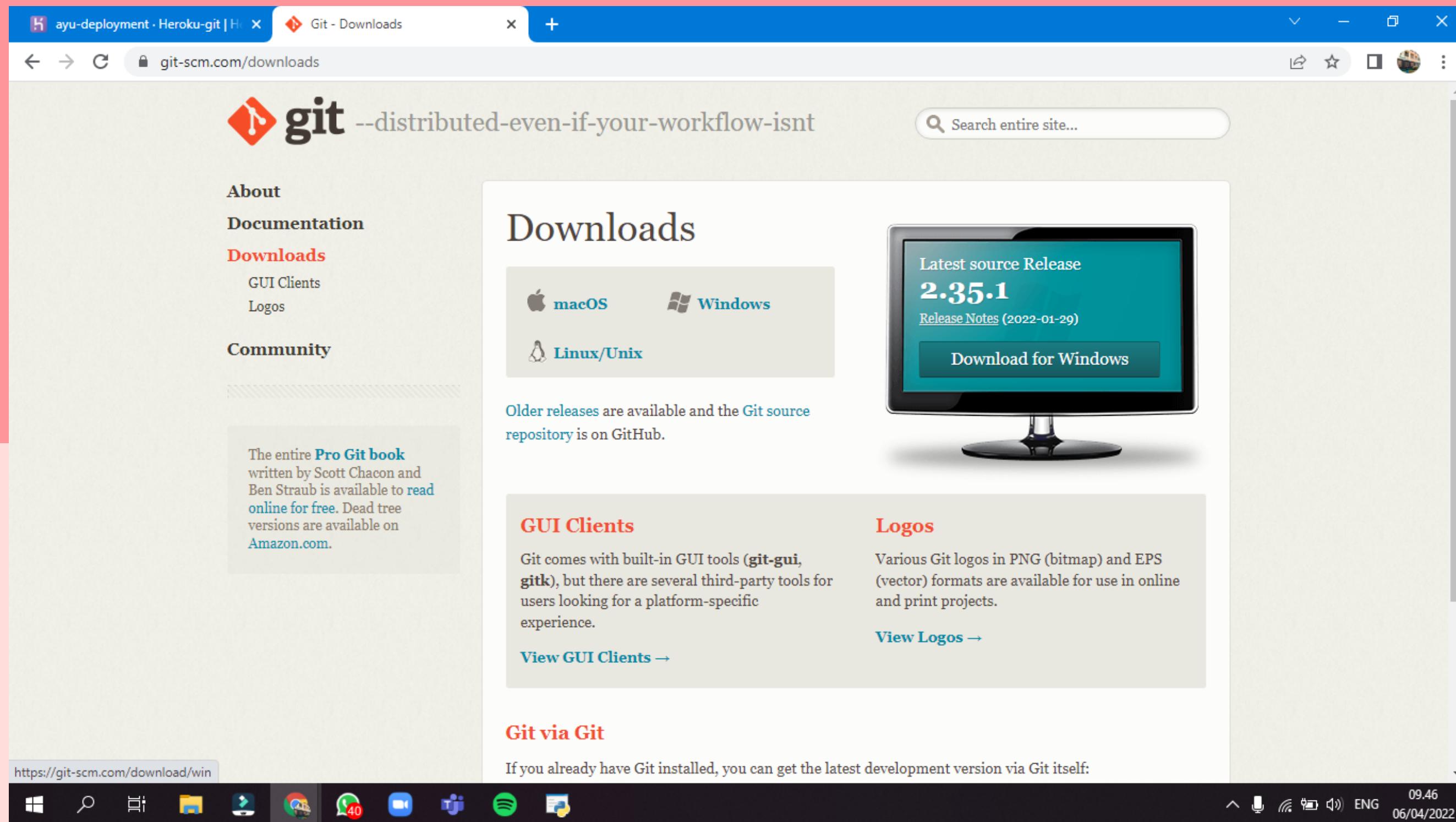
Selanjutnya Anda juga perlu mengunduh software git bash melalui link berikut :
<https://git-scm.com/downloads>

Git Bash merupakan aplikasi khusus untuk Microsoft Windows yang menyediakan emulasi atau tiruan layar untuk Git command line. Git untuk Windows memiliki emulasi Bash yang akan digunakan untuk menjalankan Git dari command line atau baris perintah



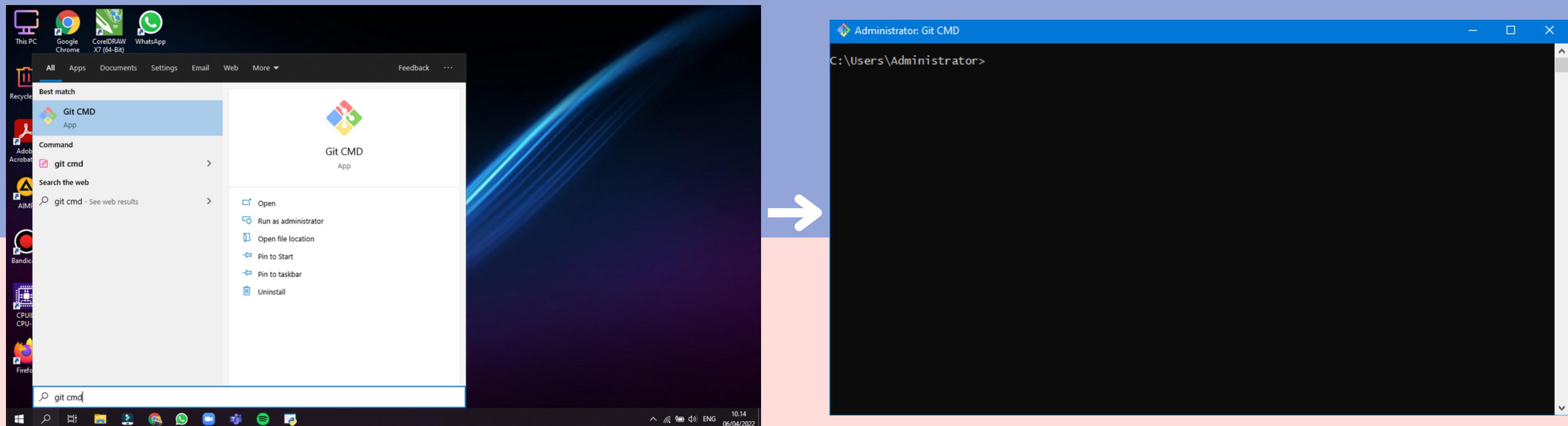
git

Step 7



Klik “Download for Windows“ kemudian buka dan install ikuti panduan proses instalasi sampai selesai

Step 8



Setelah berhasil diinstall kemudian klik search dan ketik “git cmd“ lalu buka.
Maka akan muncul tampilan seperti diatas

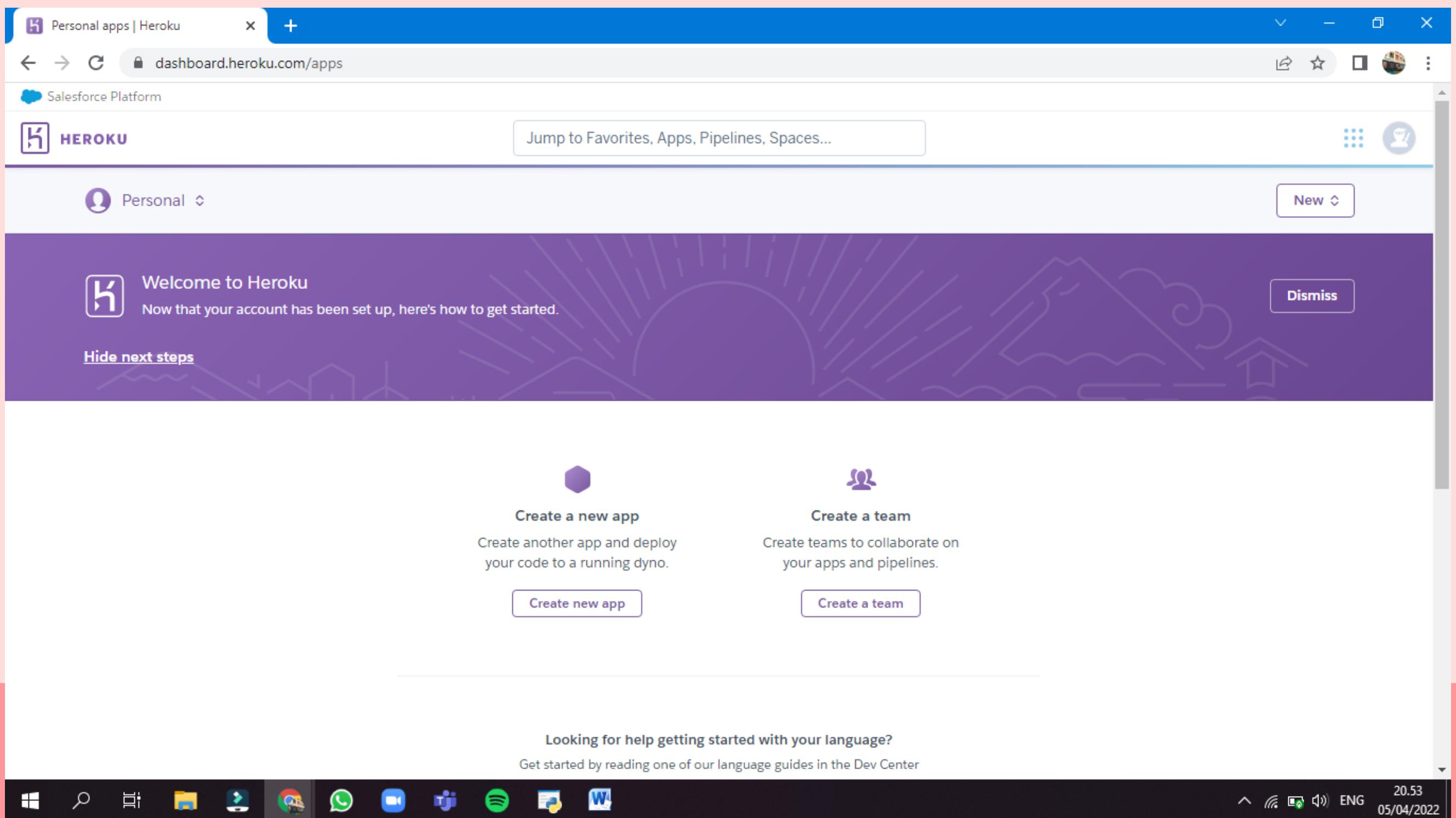
Step 9

Kemudian ketik perintah seperti berikut :

1. git clone https://github.com/jumadicloud/dts-linreg
2. git config --global user.name “username github punyamu”
3. git config --global user.email “nama emailmu” •
4. heroku login

Setelah itu enter dan akan diarahkan ke browser untuk login

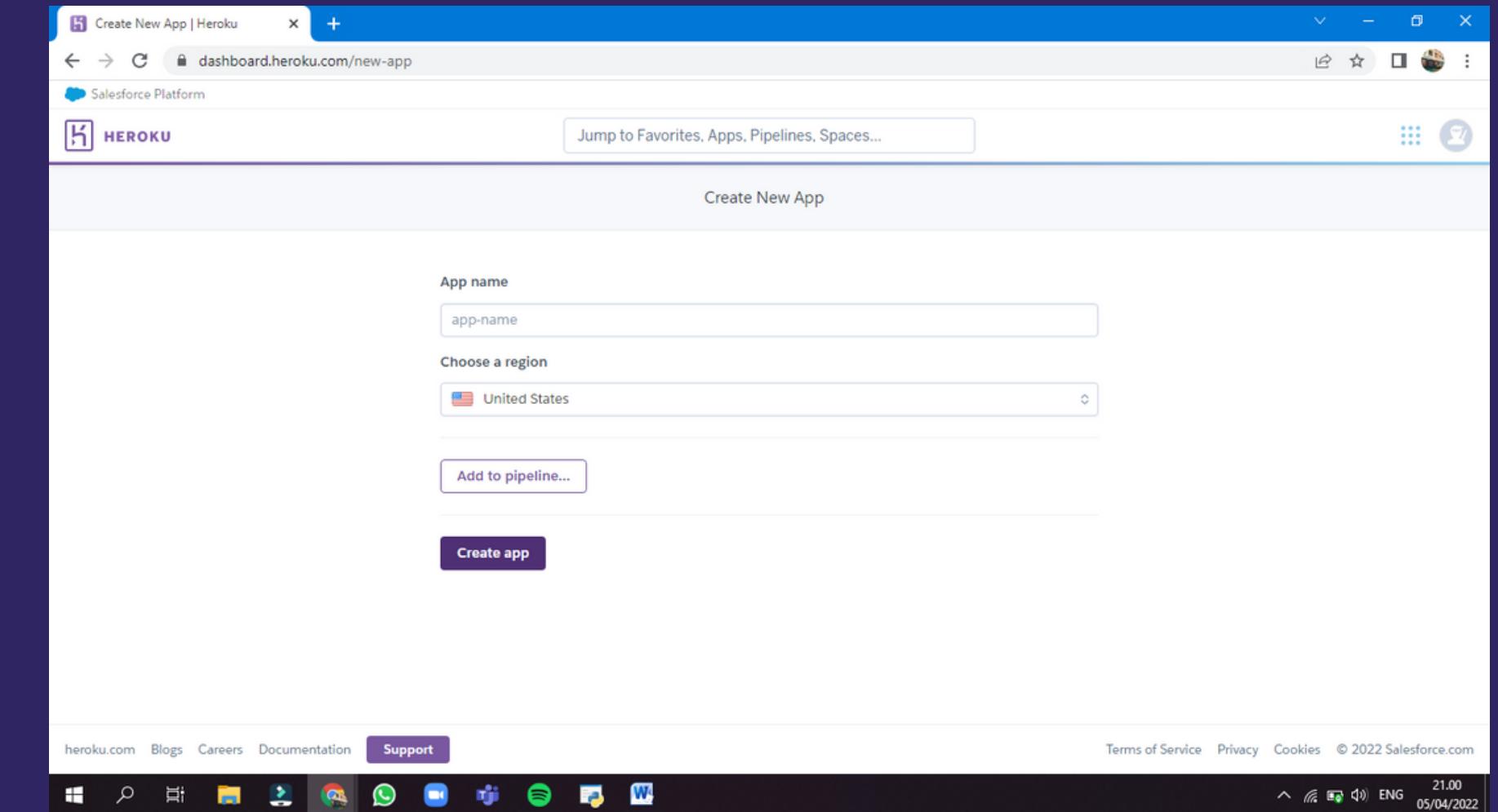
Step 10



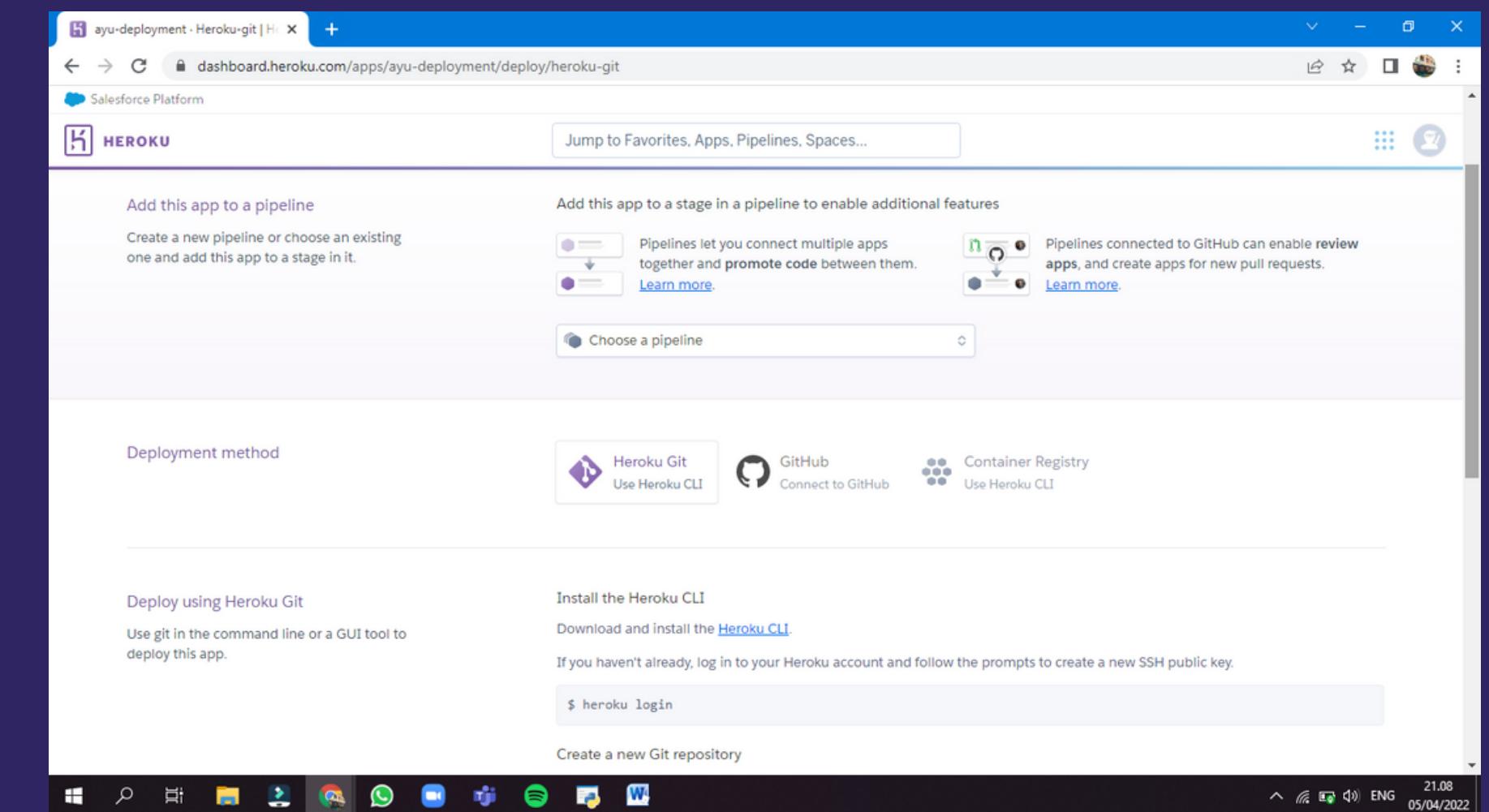
Setelah berhasil login, selanjutnya adalah membuat new app dengan klik
“Create a new app”

Step 11

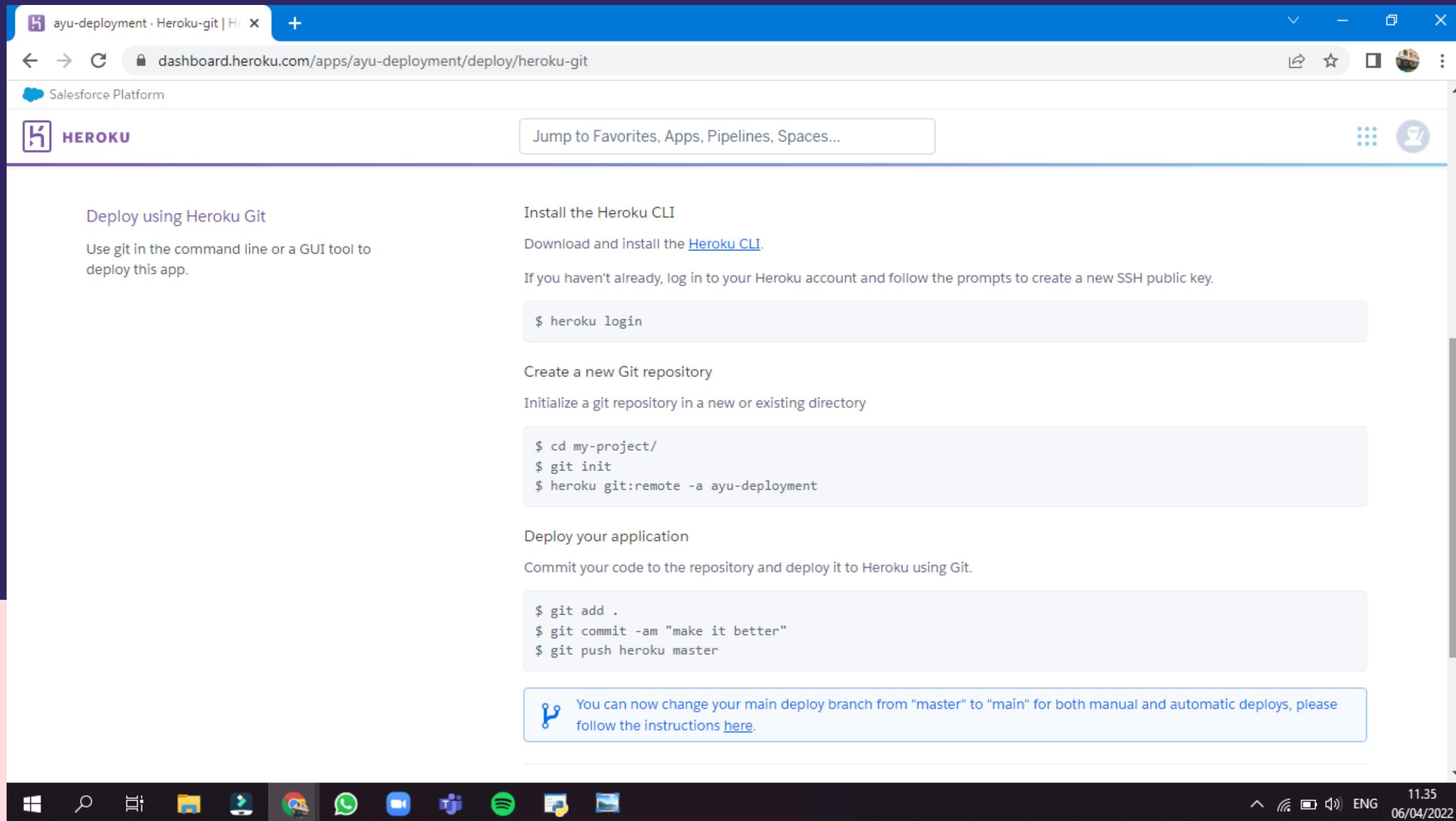
Selanjutnya memberi nama app, kemudian klik “Create App”



Maka akan muncul tampilan seperti di gambar
kemudian Anda klik “Deploy” dan scroll ke
bawah untuk melihat perintah yang akan
Anda ketik



Step 12



The screenshot shows the Heroku dashboard for the 'ayu-deployment' app. The top navigation bar includes tabs for 'Heroku', 'Salesforce Platform', and 'Jump to Favorites, Apps, Pipelines, Spaces...'. Below the navigation, there are sections for 'Deploy using Heroku Git', 'Install the Heroku CLI', 'Create a new Git repository', and 'Deploy your application'. Each section contains explanatory text and command-line examples. A note at the bottom encourages changing the main deploy branch from 'master' to 'main'. The taskbar at the bottom of the screen shows various application icons.

ayu-deployment · Heroku-git | Heroku

dashboard.heroku.com/apps/ayu-deployment/deploy/heroku-git

Salesforce Platform

HEROKU

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

Deploy using Heroku Git

Use git in the command line or a GUI tool to deploy this app.

Install the Heroku CLI

Download and install the [Heroku CLI](#).

If you haven't already, log in to your Heroku account and follow the prompts to create a new SSH public key.

```
$ heroku login
```

Create a new Git repository

Initialize a git repository in a new or existing directory

```
$ cd my-project/  
$ git init  
$ heroku git:remote -a ayu-deployment
```

Deploy your application

Commit your code to the repository and deploy it to Heroku using Git.

```
$ git add .  
$ git commit -am "make it better"  
$ git push heroku master
```

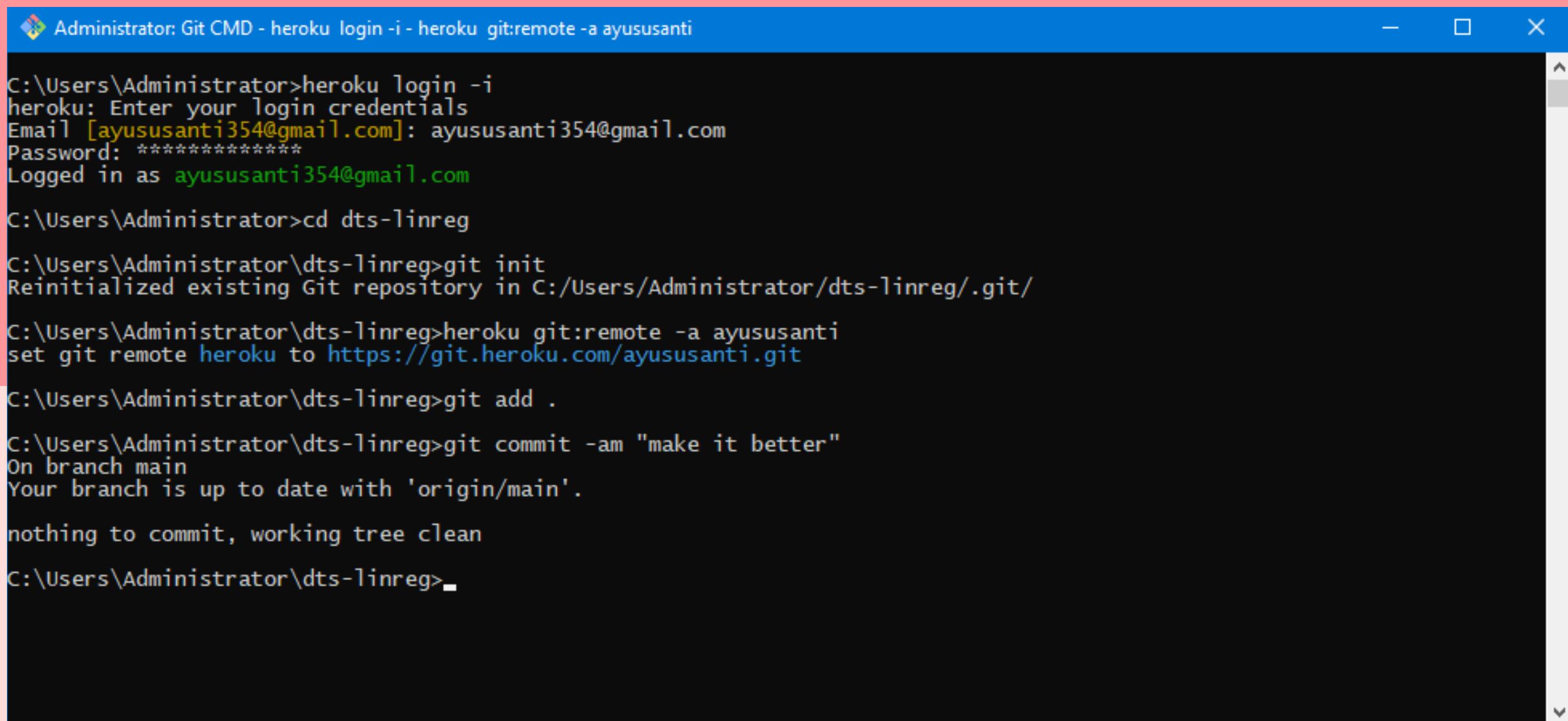
You can now change your main deploy branch from "master" to "main" for both manual and automatic deploys, please follow the instructions [here](#).

Windows Search File Explorer Google Chrome WhatsApp Microsoft Teams Spotify Python Visual Studio Code

11:35 06/04/2022 ENG

Ada beberapa perintah deployment. Lalu kita copykan satu per satu ke git cmd yang sebelumnya

Step 13



```
Administrator: Git CMD - heroku login -i - heroku git:remote -a ayususanti

C:\Users\Administrator>heroku login -i
heroku: Enter your login credentials
Email [ayususanti354@gmail.com]: ayususanti354@gmail.com
Password: *****
Logged in as ayususanti354@gmail.com

C:\Users\Administrator>cd dts-linreg

C:\Users\Administrator\dts-linreg>git init
Reinitialized existing Git repository in C:/Users/Administrator/dts-linreg/.git/

C:\Users\Administrator\dts-linreg>heroku git:remote -a ayususanti
set git remote heroku to https://git.heroku.com/ayususanti.git

C:\Users\Administrator\dts-linreg>git add .

C:\Users\Administrator\dts-linreg>git commit -am "make it better"
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

C:\Users\Administrator\dts-linreg>
```

Jalankan perintah seperti tampilan di sebelumnya kemudian ketikkan perintah yang terakhir

Step 14

```
Administrator: Git CMD - heroku login -i - heroku git:remote -a ayususanti
remote: Collecting click>=8.0
remote:   Downloading click-8.1.2-py3-none-any.whl (96 kB)
remote: Collecting threadpoolctl>=2.0.0
remote:   Downloading threadpoolctl-3.1.0-py3-none-any.whl (14 kB)
remote: Collecting scipy>=1.1.0
remote:   Downloading scipy-1.8.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (42.3 MB)
remote: Collecting numpy>=1.14.6
remote:   Downloading numpy-1.22.3-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (16.8 MB)
remote: Collecting joblib>=0.11
remote:   Downloading joblib-1.1.0-py2.py3-none-any.whl (306 kB)
remote: Collecting MarkupSafe>=2.0
remote:   Downloading MarkupSafe-2.1.1-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (25 kB)
remote: Installing collected packages: numpy, MarkupSafe, Werkzeug, threadpoolctl, scipy, joblib, Jinja2, itsdangerous, click, scikit-learn, gunicorn, flask
remote: Successfully installed Jinja2-3.1.1 MarkupSafe-2.1.1 Werkzeug-2.1.1 click-8.1.2 flask-2.1.1 gunicorn-20.1.0 itsdangerous-2.1.2 joblib-1.1.0 numpy-1.22.3 scikit-learn-1.0.2 scipy-1.8.0 threadpoolctl-3.1.0
remote: ----> Discovering process types
remote: Procfile declares types -> web
remote:
remote: ----> Compressing...
remote: Done: 150.7M
remote: ----> Launching...
remote: Released v3
remote: https://ayususanti.herokuapp.com/ deployed to Heroku
remote:
remote: Verifying deploy... done.
To https://git.heroku.com/ayususanti.git
 * [new branch]      main -> main
C:\Users\Administrator\dts-linreg>
```

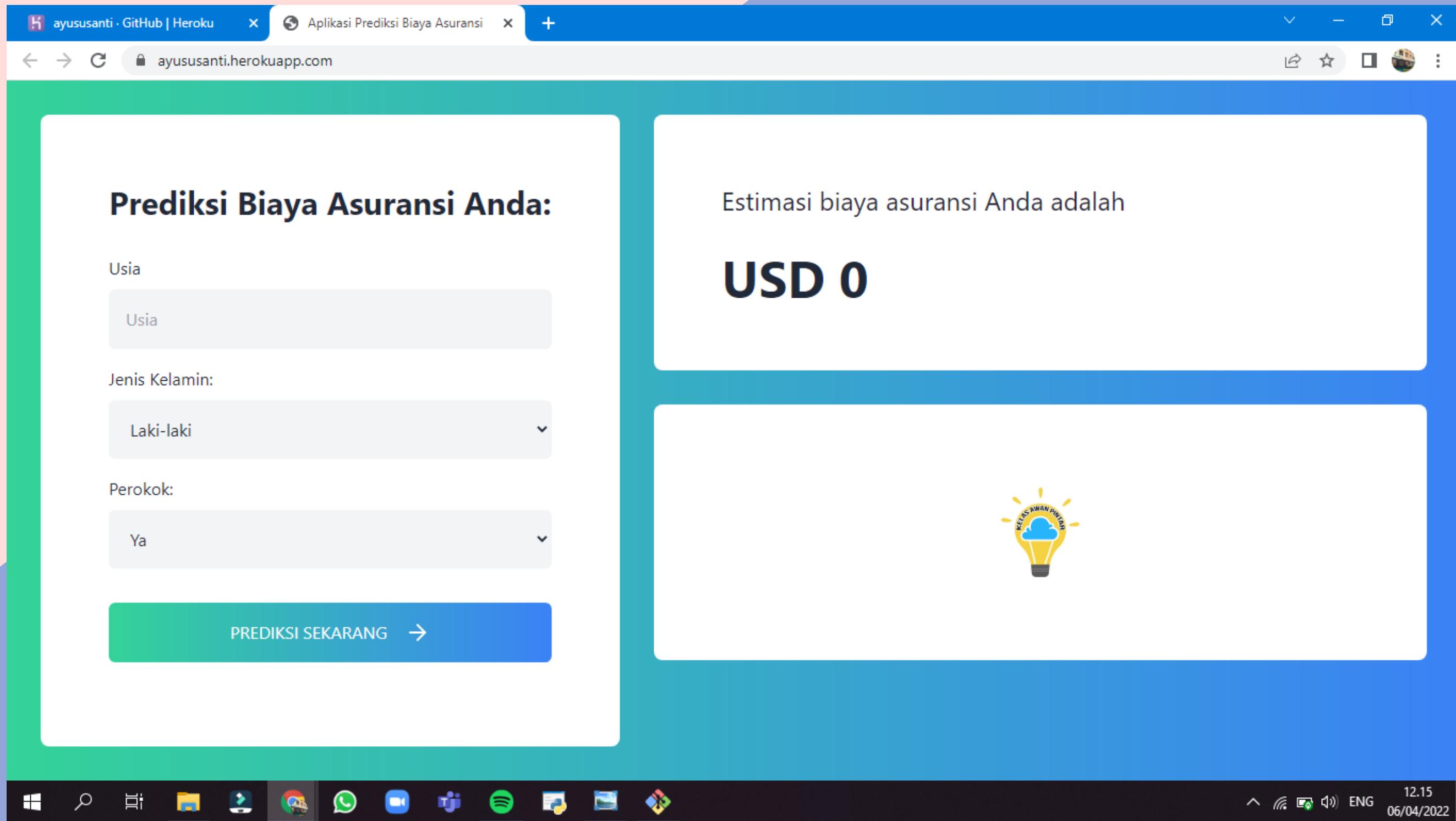
Setelah mengetik perintah git push heroku master, maka akan muncul tampilan seperti di atas dan tunggu sampai deployment done

Step 15

The screenshot shows the Heroku dashboard for the user 'ayususanti'. The 'Deploy' tab is selected. The page displays two main sections: 'Add this app to a pipeline' and 'Add this app to a stage in a pipeline to enable additional features'. Below these sections is a dropdown menu labeled 'Choose a pipeline'. Further down, there's a 'Deployment method' section with three options: 'Heroku Git' (selected), 'GitHub' (with a 'Connect to GitHub' button), and 'Container Registry' (with a 'Use Heroku CLI' button). At the bottom, there are links for 'Deploy using Heroku Git' (with a URL) and 'Install the Heroku CLI' (with a download link). The browser taskbar at the bottom shows various application icons.

Setelah selesai deployment, Anda buka kembali web heroku dan untuk mengecek deployment berhasil yaitu dengan cara klik “Open App”

Step 16



Setelah berhasil maka tampilannya akan seperti gambar di atas. Dan Anda telah berhasil melakukan deployment aplikasi menggunakan heroku

REFRENSI

- <https://heroku.com/apps>
- <https://git-scm.com/downloads>
- <https://github.com/Ayususanti/dts-linreg>
- <https://en.wikipedia.org/wiki/Heroku>
- <https://appkey.id/pembuatan-website/teknologi-web/git-bash/#:~:text=Git%20Bash%20merupakan%20aplikasi%20khusus,command%20line%20atau%20baris%20perintah>

Thank you!

