

Deployment with **Heroku**

Presented by **Laili Miftachur Rohmah**



About Me



@lailiimr



@itsmee_lailiii



github.com/Lailiimr



/lailimiftachurrohmah/



+6282142086453



liludism@gmail.com

BAM!

*Hi everyone, saya Laili Miftachur Rohmah
Seorang mahasiswa Manajemen di Universitas Merdeka Malang, saya
memiliki hobi mengedit Video, gambar, menggambar ilustrator,
menonton dan berfoto serta membuat konten di social media.*



**LAILI MIFTACHUR
ROHMAH**



APA ITU HEROKU?

Heroku bukan tokoh marvel lhoo !!
Terus apa hayoo??



Merupakan sebuah cloud platform yang menjalankan bahasa pemrograman tertentu, sehingga bagi kita yang ingin melakukan deploy aplikasi ke heroku cukup hanya dengan melakukan konfigurasi aplikasi yang ingin dideploy

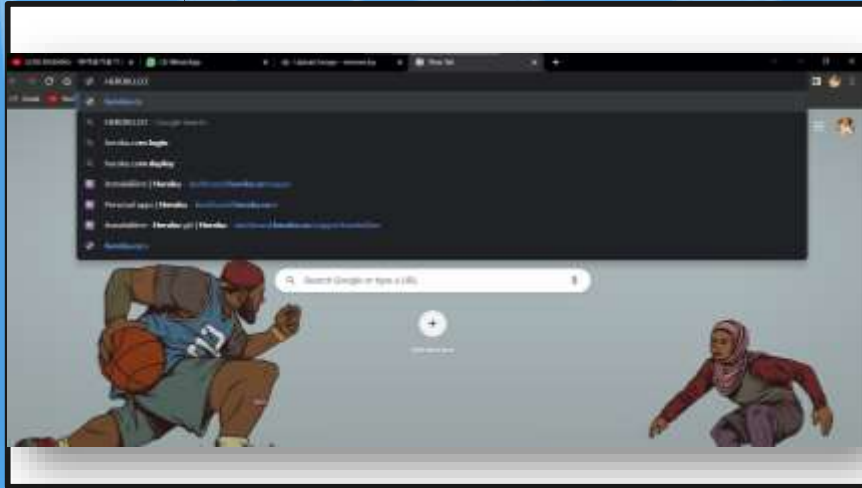




INTRODUCTION

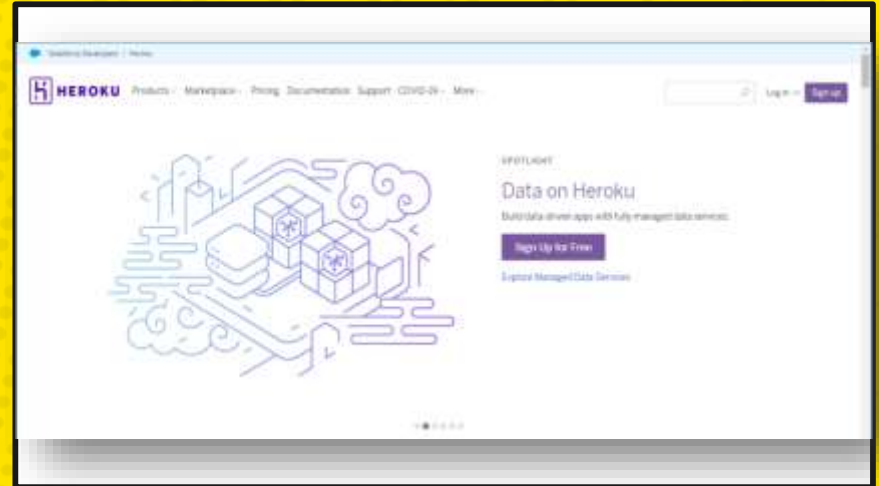
Kali ini saya akan membagikan tutorial cara melakukan deployment sebuah aplikasi pada heroku. Adapun langkah-langkahnya adalah sebagai berikut :

STEP 1



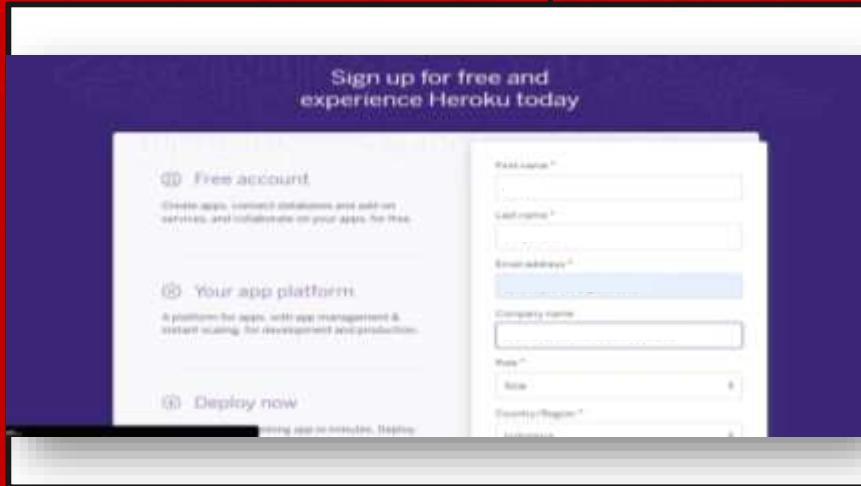
Buka website heroku.com

Klik **Sign Up** (pojok kanan atas) untuk membuat akun baru heroku



STEP 2

STEP 3



Sign up for free and experience Heroku today

Free account
Create apps, connect databases and add-on services, and collaborate on your apps for free.

Your app platform
A platform for apps, with app management & instant scaling, for development and production.

Deploy now
Deploying app in minutes. Deploy

First name *

Last name *

Email address *

Company name

Role *

Site

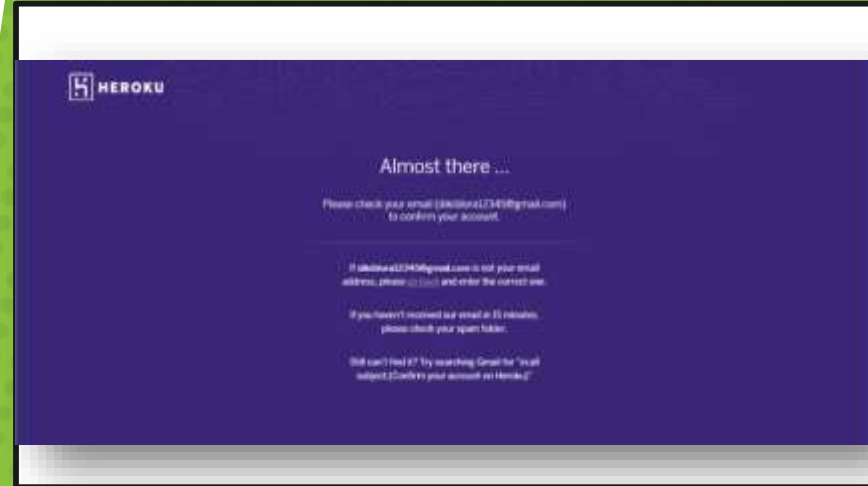
Country/Region *

Continue

Isikan biodata diri dan klik **Create Account**

VS

STEP 4



HEROKU

Almost there ...

Please check your email (bikisura12345@gmail.com) to confirm your account.

If bikisura12345@gmail.com is not your email address, please click [Link] and enter the correct one.

If you haven't received our email in 15 minutes, please check your spam folder.

Still can't find it? Try searching Gmail for "social support @Heroku" or your account on Heroku.

Buka **kotak Masuk email** yang digunakan dan verifikasi akun



STEP 5

Selanjutnya akan muncul tampilan seperti ini dan klik **Accept** saja

A screenshot of the 'Set your password' page. The page has a dark blue background. At the top, it says 'Set your password' and 'Create your password and log in to your Hando account'. Below this is a form with two input fields: 'Create a new password' and 'Repeat confirmation'. Below the form, there are password requirements: 'Must be minimum of 8 characters', 'Must contain letters, numbers, and symbols', and 'Password must match'. At the bottom of the form is a blue button that says 'SET PASSWORD AND LOG IN'.

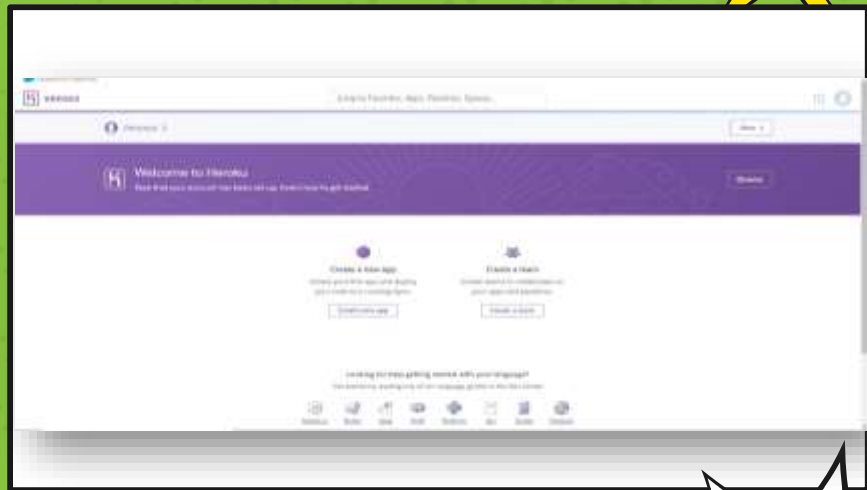
Setelah verifikasi, sekarang buat password dan klik **Set Password and Log In**

A screenshot of the 'Welcome Marketplace Provider' page. The page has a white background. At the top, there is a search bar and a navigation menu. Below the search bar, there is a section titled 'Welcome Marketplace Provider'. It contains a paragraph of text and a link 'Click here to learn more'. Below this is a section titled 'Select Customer' with a toggle switch labeled 'Are you interested in this?'. At the bottom of the page is a purple button that says 'Accept'.

STEP 6



BOOM!!!!

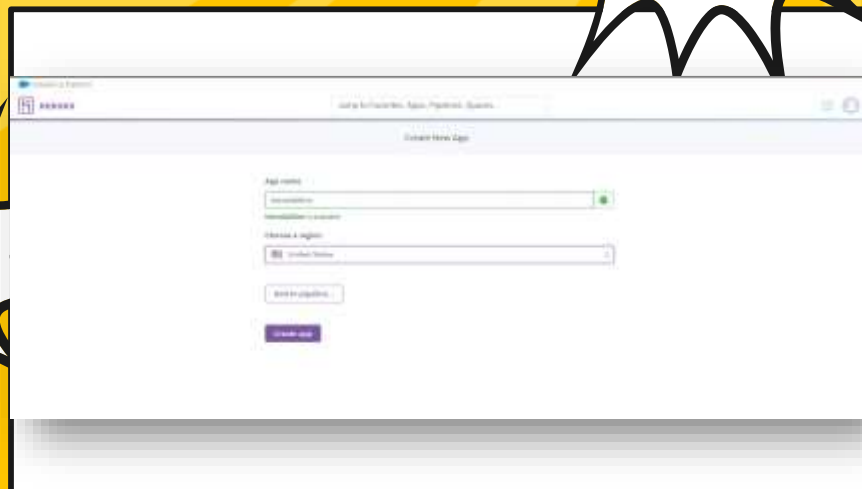


Kita buat aplikasi kita dengan cara klik
Create New App

STEP 7

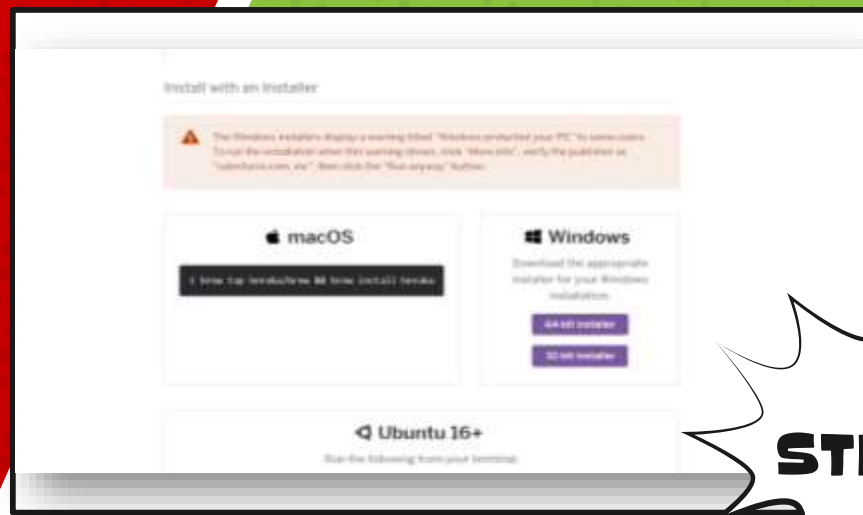
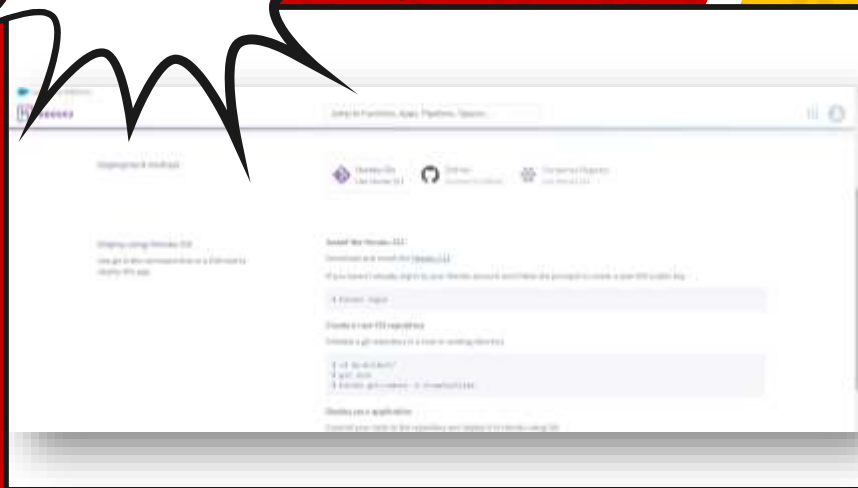
Kita isi nama aplikasi, bebas sesuai
selera dan klik **Create App**

STEP 8



STEP 9

Unduh software dengan cara klik **64-bit installer** (atau sesuaikan dengan spec laptop). Lalu buka dan install (klik next saja dan saya sarankan jangan mengubah-ubah pilihan saat proses instalasi)



STEP 10

Lalu kita harus mengunduh software heroku dengan cara klik **Heroku CLI**



GIT BASH

A large, stylized yellow word "BOOM" with a black bomb integrated into the letter "O". The bomb has a red fuse and a yellow starburst at the top. There are also yellow stars and black motion lines around the word.

BOOM

Selanjutnya, kita perlu mengunduh software git bash terlebih dahulu 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



STEP 11

Klik [Download for Windows](#). Lalu buka dan install (klik next saja dan saya sarankan jangan mengubah-ubah pilihan saat proses instalasi)



The screenshot shows the Git website's 'Downloads' page. The header features the Git logo and the tagline '--distributed-is-the-new-centralized'. A search bar is located in the top right. The left sidebar contains links for 'About', 'Documentation', 'Downloads' (highlighted), 'GUI Clients', 'Logos', and 'Community'. The main content area is titled 'Downloads' and includes a section for 'Latest source Release' with the version '2.35.1' and a 'Download for Windows' button. Below this, there are links for 'macOS', 'Windows', and 'Linux/Unix'. A note mentions that older releases are available on GitHub. The 'GUI Clients' section lists built-in tools and third-party options, with a link to 'View GUI Clients'. The 'Logos' section mentions available formats and a link to 'View Logos'. The 'Git via Git' section provides instructions on how to clone the repository and browse its contents.

git --distributed-is-the-new-centralized

Search entire site...

About
Documentation
Downloads
GUI Clients
Logos
Community

The entire **Pro Git book**, written by Scott Chacon and Ben Straub is available to read online for free. Dead tree versions are available on [Amazon.com](#).

Downloads

macOS Windows Linux/Unix

Older releases are available and the Git source repository is on GitHub.

GUI Clients

Git comes with built-in GUI tools (**git-gui**, **gitk**), but there are several third-party tools for users looking for a platform-specific experience.

[View GUI Clients →](#)

Logos

Various Git logos in PNG (bitmap) and EPS (vector) formats are available for use in online and print projects.

[View Logos →](#)

Git via Git

If you already have Git installed, you can get the latest development version via Git itself:

```
git clone https://github.com/git/git
```

You can also always browse the current contents of the git repository using the web interface.

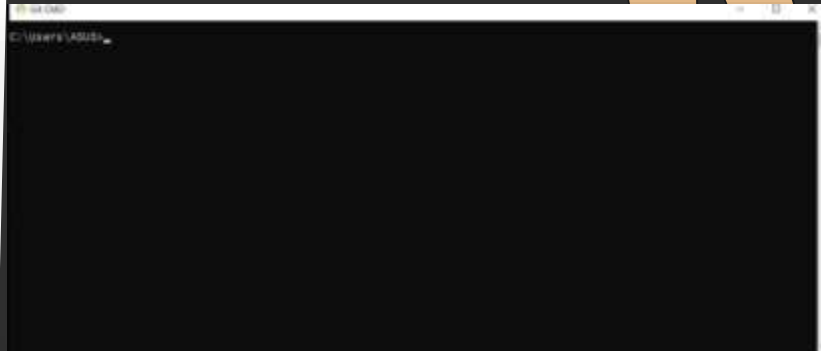
Step 12



Setelah diinstal kemudian kita klik logo windows di pojok kiri bawah layar laptop dan ketik **git cmd** lalu buka.

Step 13

Step 14



Setelah git cmd dibuka maka akan muncul tampilan seperti ini

A screenshot of a terminal window showing the execution of several git commands. The output shows the cloning of a repository, counting and compressing objects, and setting global user name and email.

```
C:\Users\ASUS>git clone https://github.com/jumadicloud/dts-linreg
Cloning into 'dts-linreg'...
remote: Enumerating objects: 18, done.
remote: Counting objects: 100% (18/18), done.
remote: Compressing objects: 100% (8/8), done.
remote: Total 18 (delta 5), reused 18 (delta 5), pack-reused 0
Receiving objects: 100% (18/18), 4.66 KiB | 227.00 KiB/s, done.
Resolving deltas: 100% (5/5), done.

C:\Users\ASUS>git config --global user.name "Latifier"
C:\Users\ASUS>git config --global user.email "liludis@gmail.com"
C:\Users\ASUS>heroku login
```

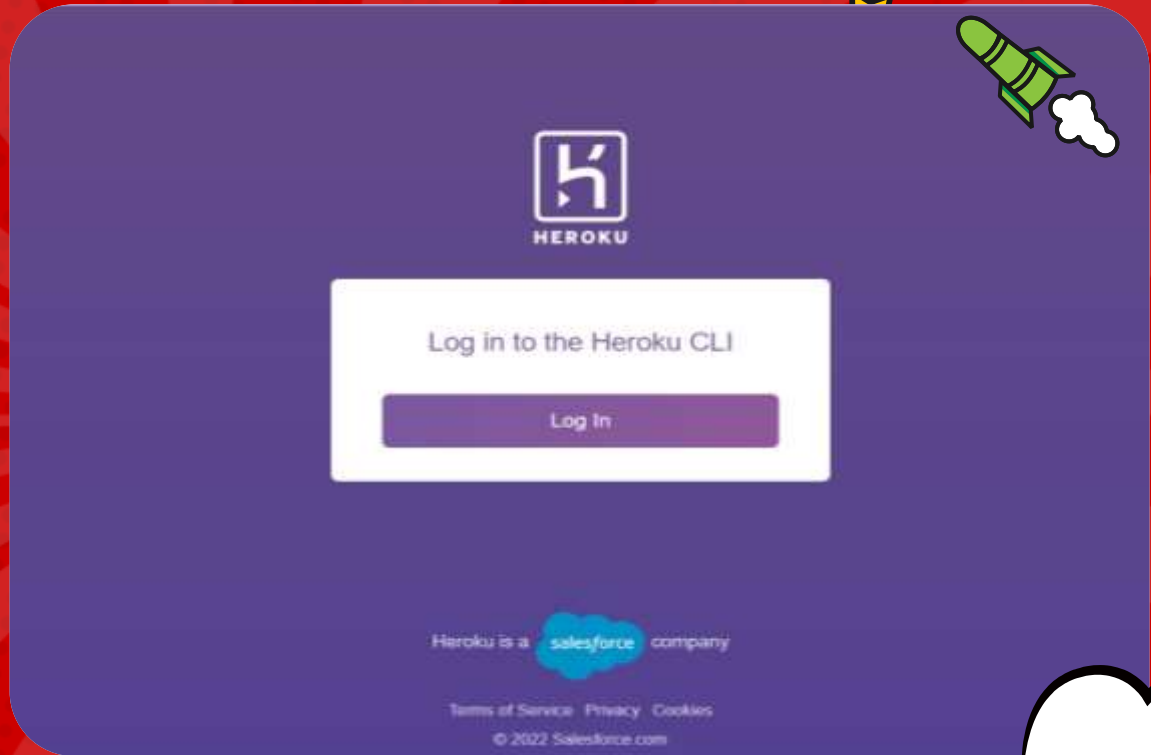
Ketikkan perintah berikut ini :

- `git clone https://github.com/jumadicloud/dts-linreg`
- `git config --global user.name "username github punyamu"`
- `git config --global user.email "nama emailmu"`
- `heroku login`

Setelah itu enter saja dan akan diarahkan ke browser untuk login

STEP 15

Muncul tampilan seperti ini dan klik [Log In](#).
Setelah itu kita kembali lagi ke web heroku.



STEP 16

Kita pilih aplikasi kita kemudian pilih Deploy dan scroll ke bawah

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

Personal > itsmelaliini

Overview Resources Deploy Metrics Activity Access Settings

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.





STEP 17



Create a new Git repository

Initialize a git repository in a new or existing directory

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

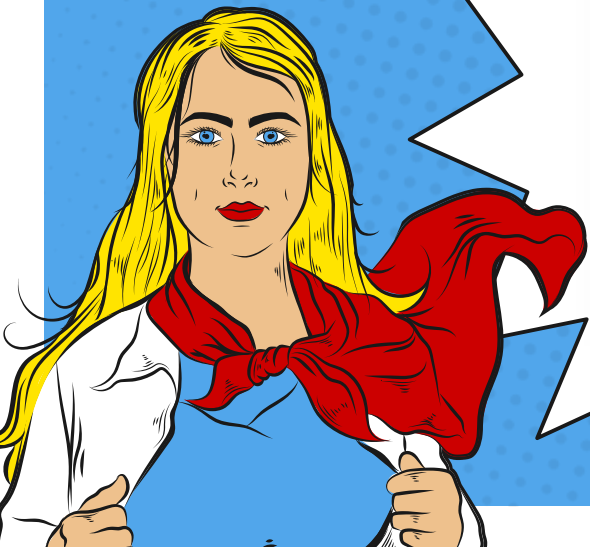
Deploy your application

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

```
$ git add .  
$ git commit -m "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](#).



STEP 18

```
Logging in... done
Logged in as t1ludisn@gmail.com

C:\Users\ASUS>heroku login -i
  > warning: heroku update available from 7.53.0 to 7.60.1.
heroku: Enter your login credentials
Email [t1ludisn@gmail.com]: t1ludisn@gmail.com
Password: *****
Logged in as t1ludisn@gmail.com

C:\Users\ASUS>cd dts-tinreg

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

C:\Users\ASUS>dts-tinreg
```

Jalankan saja perintah sebelumnya seperti tampilan di samping kemudian kita ketikkan perintah yang terakhir.

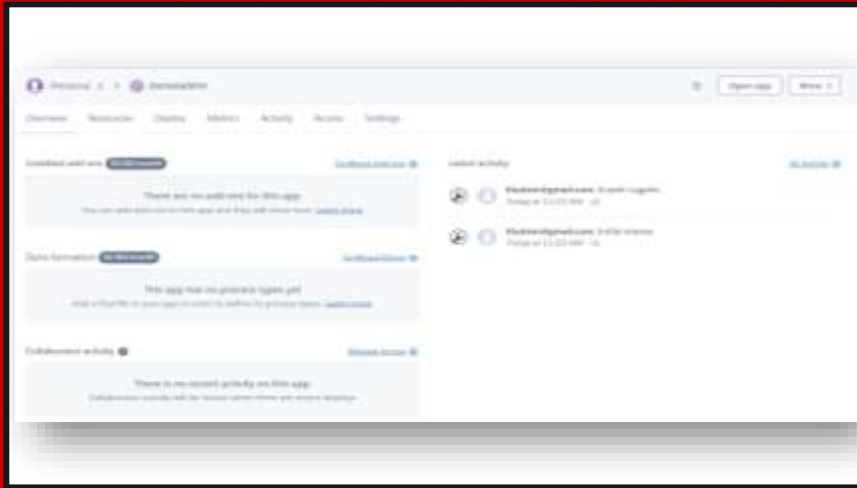
Setelah git push heroku main, maka akan muncul tampilan seperti di samping dan tunggu sampai deployment **done**.

```
C:\Users\ASUS>git push heroku main

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-3.10.4
remote: ----> To use a different version, see: https://devcenter.heroku.com/articles/python-runtime
remote: ----> Installing python-3.10.4
remote: ----> Installing pip 21.1.1, setuptools 57.5.0 and wheel 0.37.0
remote: ----> Installing requirements with pip
remote: ----> Collecting Flask
remote: ----> Downloading flask-2.1.1-py3-none-any.whl (95 kB)
remote: ----> Collecting gunicorn
remote: ----> Downloading gunicorn-20.1.0-py3-none-any.whl (79 kB)
remote: ----> Collecting scikit-learn
remote: ----> Downloading scikit_learn-1.0.2-cp310-cp310-manylinux_2_17_x86_64_manylinux2014_x86_64.whl (26.5 MB)
remote: ----> Collecting werkzeug
remote: ----> Downloading werkzeug-2.1.1-py3-none-any.whl (224 kB)
remote: ----> Collecting Jinja2
remote: ----> Downloading Jinja2-3.0
remote: ----> Collecting libcxx-1.1-py3-none-any.whl (132 kB)
remote: ----> Collecting tsanderus=2.0
remote: ----> Downloading tsanderus-2.1.2-py3-none-any.whl (18 kB)
remote: ----> Collecting click=8.0
remote: ----> Downloading click-8.1.2-py3-none-any.whl (96 kB)
remote: ----> Collecting jinja2=3.0.1
remote: ----> Downloading Jinja2-3.0.1-py3-none-any.whl (130 kB)
remote: ----> Collecting threadpoolctl=2.0.0
remote: ----> Downloading threadpoolctl-2.1.0-py3-none-any.whl (14 kB)
remote: ----> Collecting numpy=1.24.6
remote: ----> Downloading numpy-1.22.2-cp310-cp310-manylinux_2_17_x86_64_manylinux2014_x86_64.whl (18.8 MB)
```

STEP 19

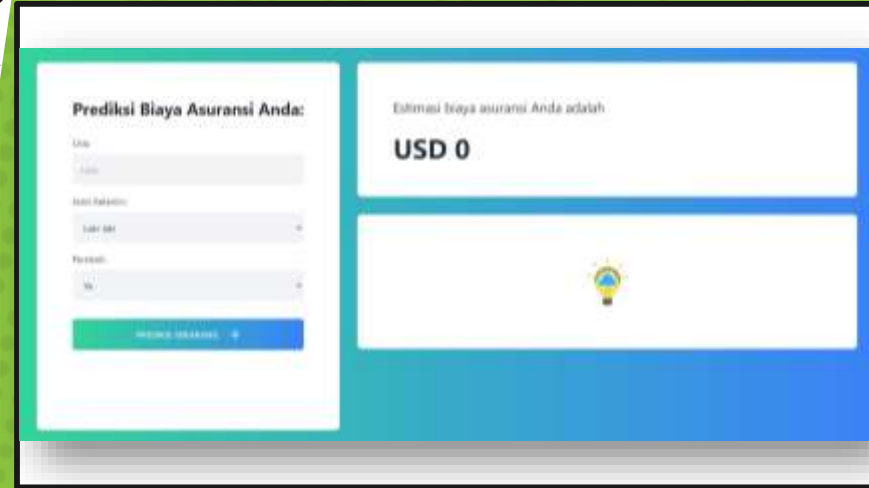
STEP 20



Setelah selesai deployment, kita buka kembali web heroku dan untuk mengecek deployment berhasil yaitu dengan cara klik

Open App

STEP 21



Jika sudah berhasil maka hasilnya akan seperti tampilan di samping. Dan kita telah berhasil melakukan deployment aplikasi menggunakan heroku

REFERENCES



<https://heroku.com/apps>



<https://git-scm.com/downloads>



<https://github.com/jumadicloud/dts-linreg>





**THANK
YOU**

BANG