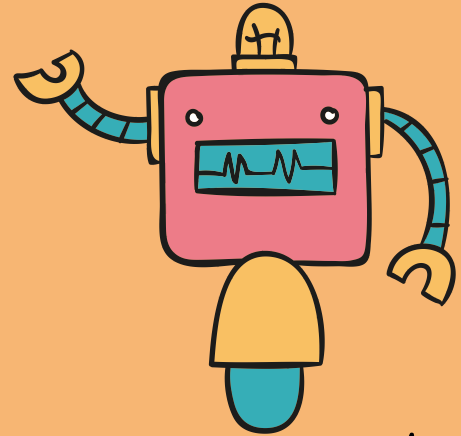
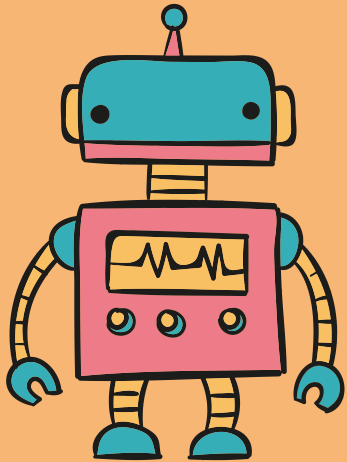
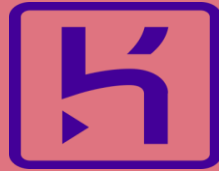


# Deployment with Heroku

Tutorial by : Maulidia Nur Z N



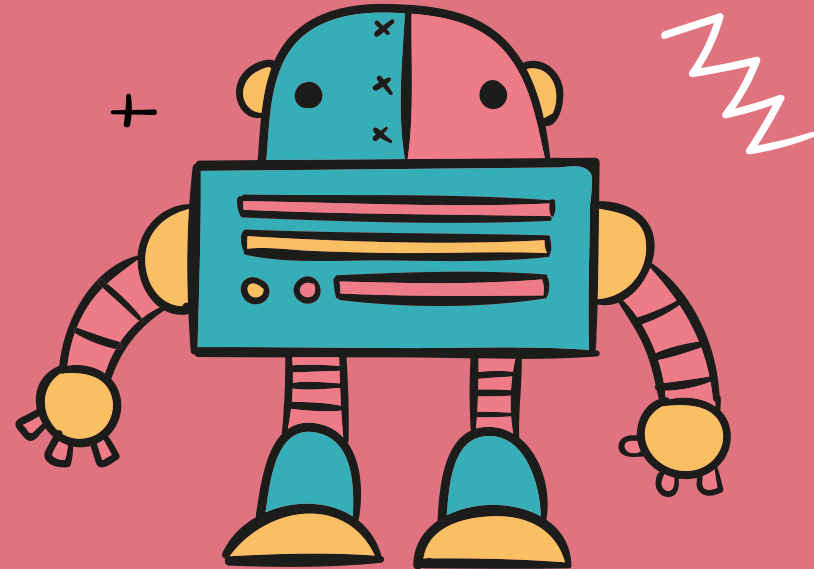


**HEROKU**

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.

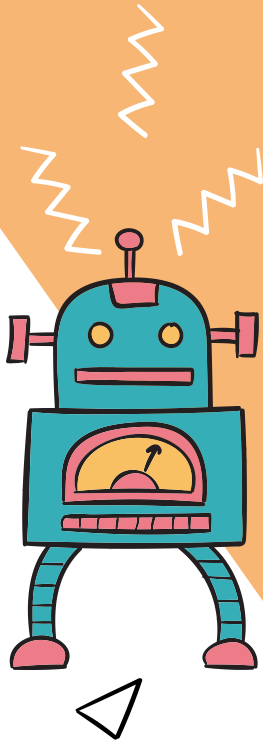
# Introduction

Saya Maulidia Nur Z N akan membuat tutorial melakukan deployment pada sebuah aplikasi Pada Heroku dan langkah-langkah yang akan di lakukan yaitu :



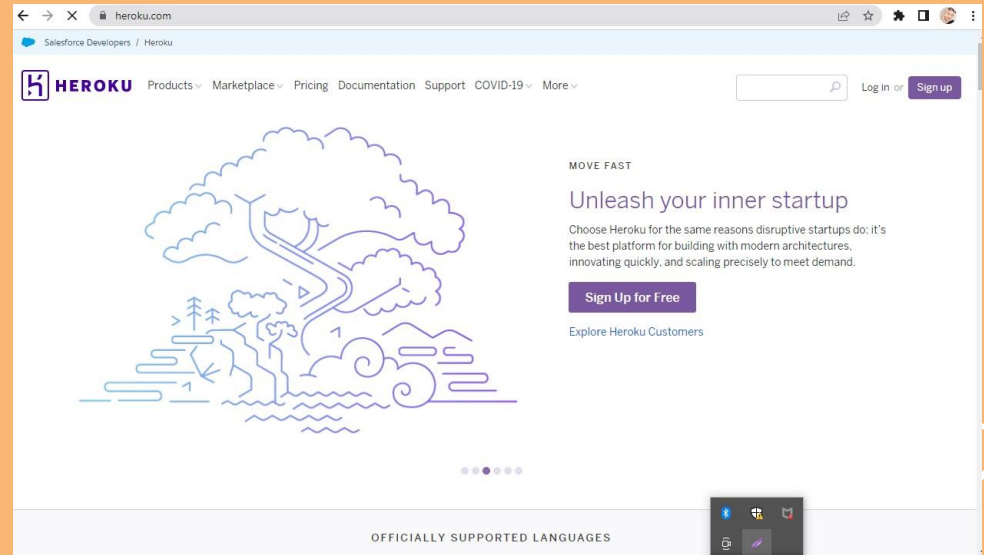
01

## Step 1



Buka Website  
Heroku.com

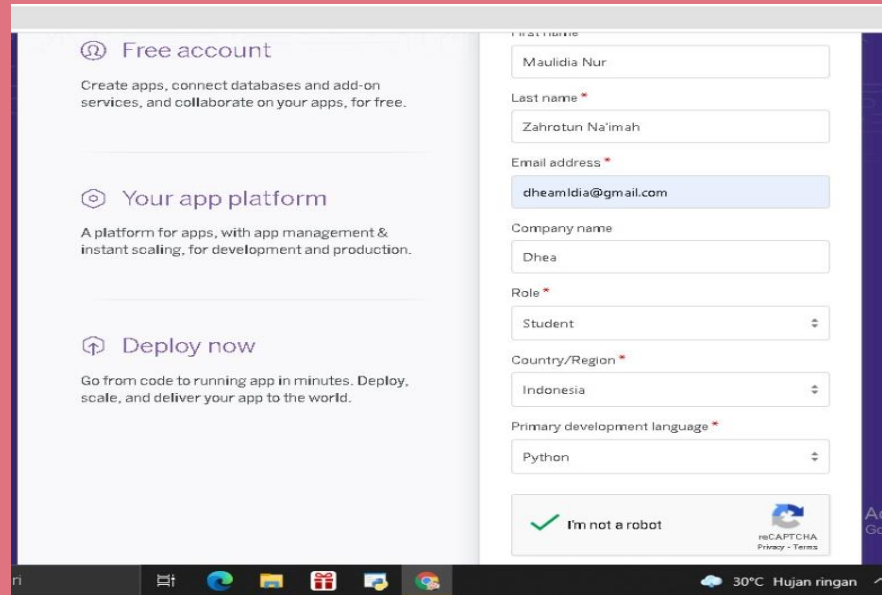
Kemudian Klik Sign up Free  
untuk membuat akun baru di  
Heroku



# Step 2

02

Isikan biodata diri dan  
klik create Free account



The screenshot shows the Heroku account creation interface. On the left, there are three sections: '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.), and 'Deploy now' (Go from code to running app in minutes. Deploy, scale, and deliver your app to the world.). On the right, there is a form with the following fields: 'First name' (Maulidia Nur), 'Last name' (Zahrotun Na'imah), 'Email address' (dheamidia@gmail.com), 'Company name' (Dhea), 'Role' (Student), 'Country/Region' (Indonesia), and 'Primary development language' (Python). At the bottom of the form, there is a green checkmark and the text 'I'm not a robot' next to a reCAPTCHA logo. The Windows taskbar is visible at the bottom of the screen.

**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**  
Go from code to running app in minutes. Deploy, scale, and deliver your app to the world.

First name  
Maulidia Nur

Last name \*  
Zahrotun Na'imah

Email address \*  
dheamidia@gmail.com

Company name  
Dhea

Role \*  
Student

Country/Region \*  
Indonesia

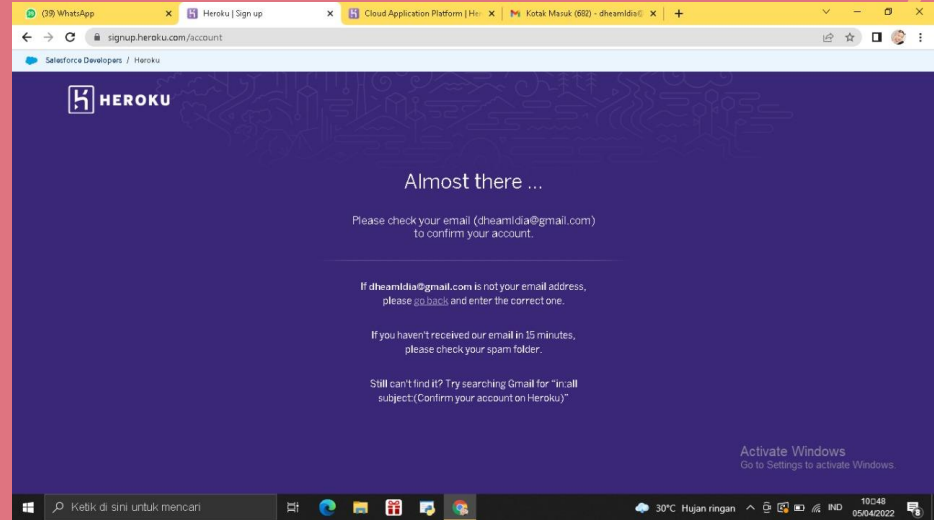
Primary development language \*  
Python

I'm not a robot  
reCAPTCHA  
Privacy - Terms

03

# Step<sup>+</sup> 3

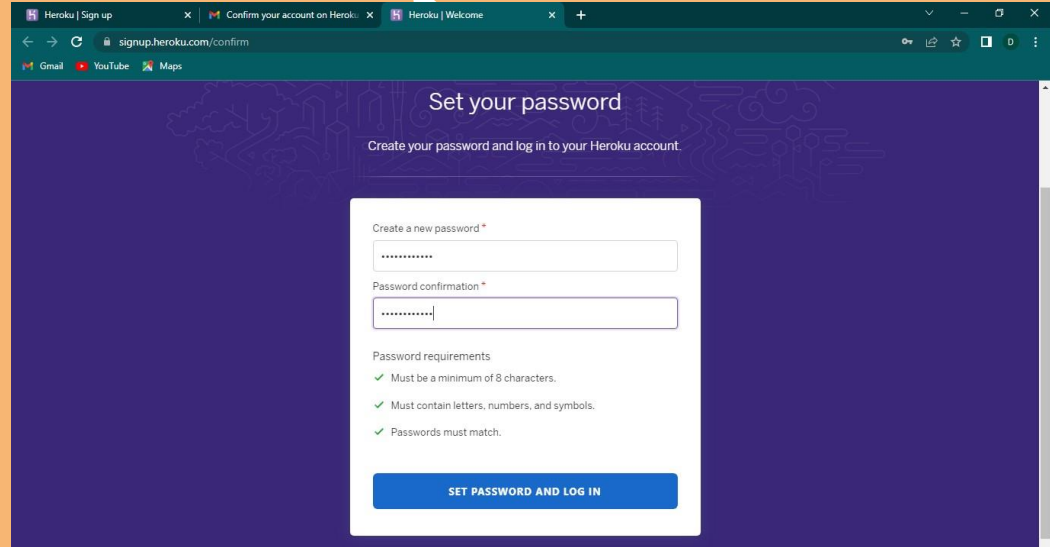
Bukalah kotak masuk email,  
untuk verifikasi akun



04

# Step 4

Buatlah Password untuk akun Heroku



Heroku | Sign up x Confirm your account on Heroku... x Heroku | Welcome x +

← → ↻ [signup.heroku.com/confirm](#) Gmail YouTube Maps

## Set your password

Create your password and log in to your Heroku account.

Create a new password \*

Password confirmation \*

Password requirements

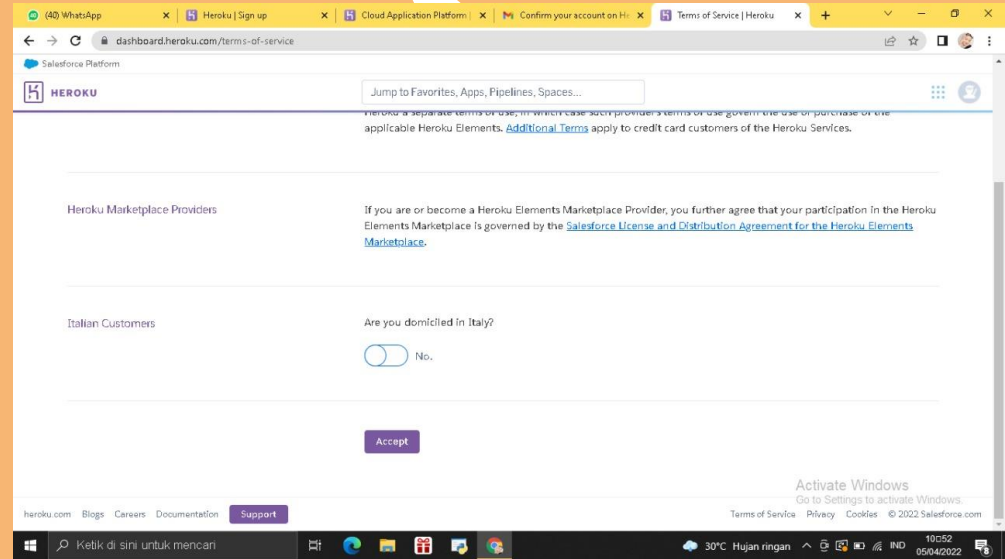
- ✓ Must be a minimum of 8 characters.
- ✓ Must contain letters, numbers, and symbols.
- ✓ Passwords must match.

**SET PASSWORD AND LOG IN**

05

# Step 5

Jika muncul tampilan seperti ini klik  
Accept saja

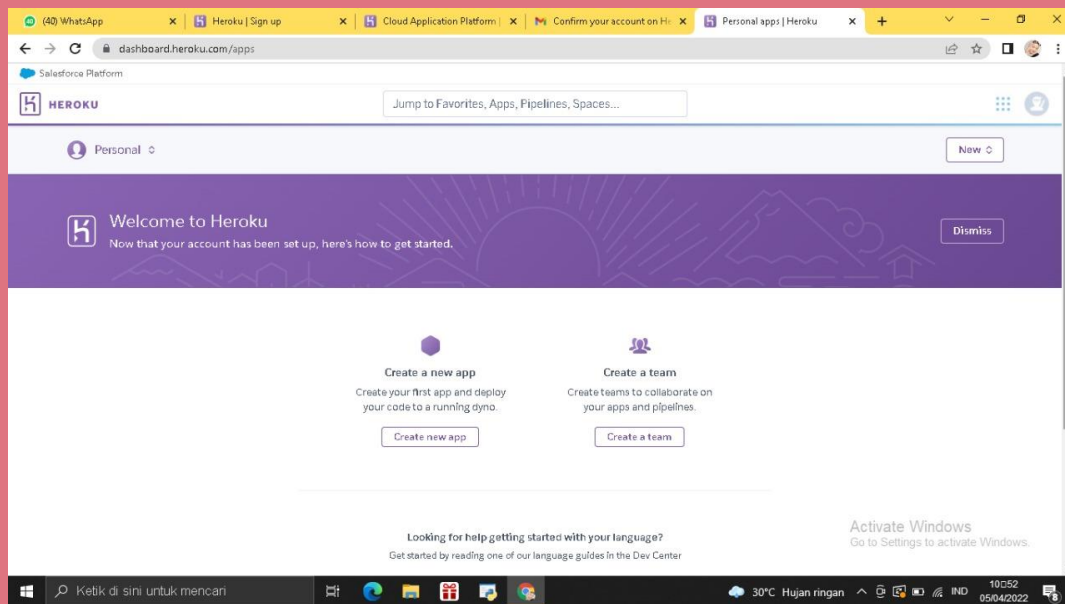




06

# Step<sup>+</sup> 6

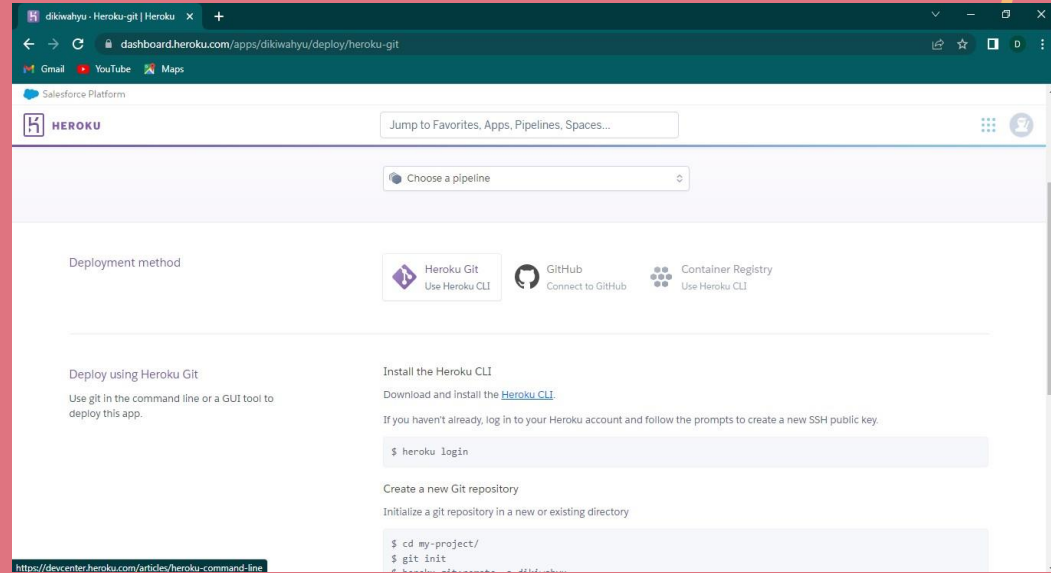
Buatlah aplikasi dengan cara klik New App



07

# Step<sup>+</sup> 7

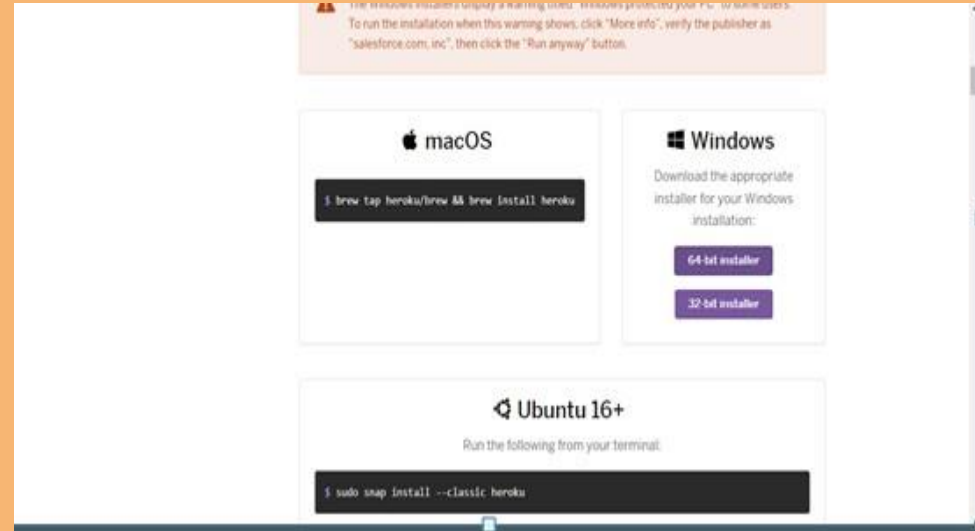
Unduh soft file heroku  
dengan cara klik Heroku CLI



08

## Step 8

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





# Git Bash

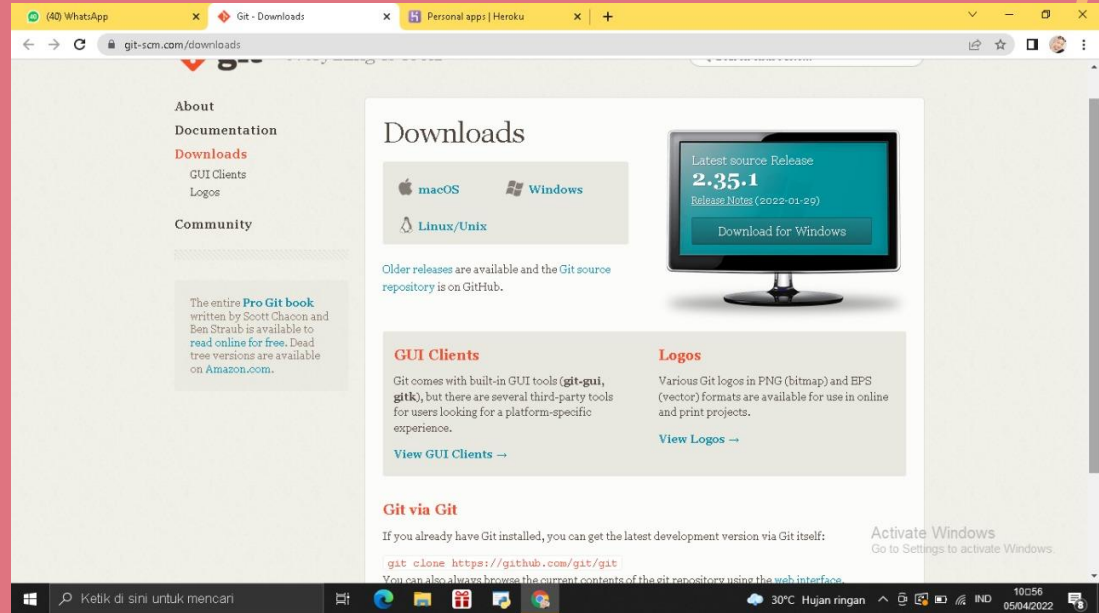
Git Bash merupakan aplikasi khusus untuk Microsoft Windows yang menyediakan emulasi atau tiruan layar untuk Git command line.

Sebelum lanjut, kita perlu mengunduh software git bash terlebih dahulu melalui link berikut : **<https://git-scm.com/downloads>**

09

Step<sup>+</sup> 9

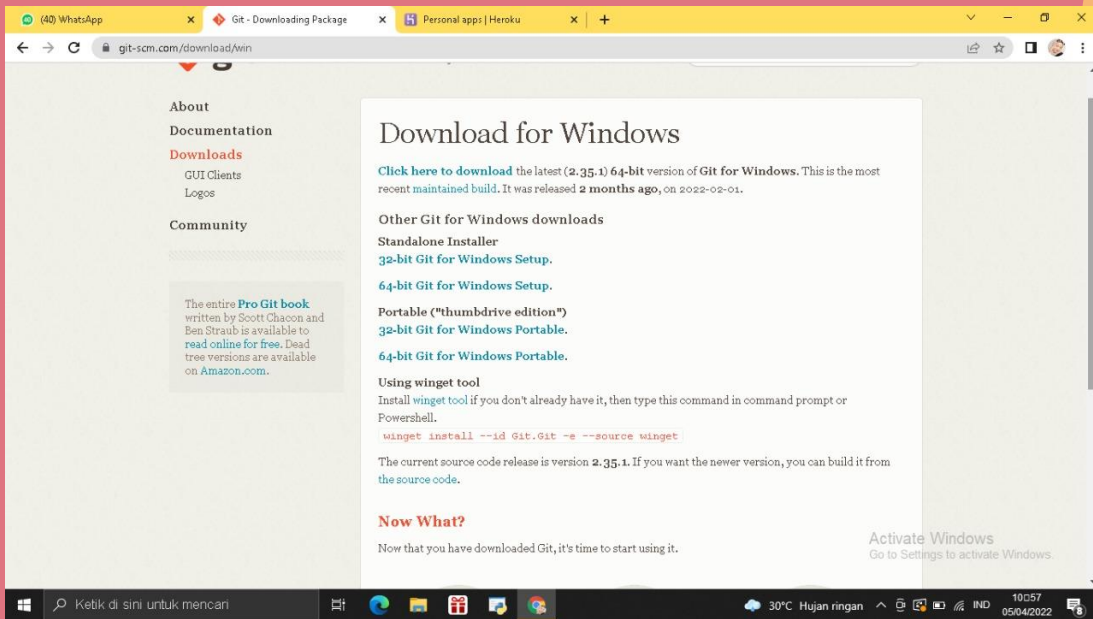
Klik Download for Windows. Lalu buka dan install (klik next saja dan saya sarankan jangan mengubah-ubah pilihan saat proses instalasi)



10

# Step + 10

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



## Step 11

Ketikkan perintah berikut ini :

**git clone**

**[https://github.com/jumadi-](https://github.com/jumadi-cloud/dts-linreg)**

- **cloud/dts-linreg**

**git config --global user.name**

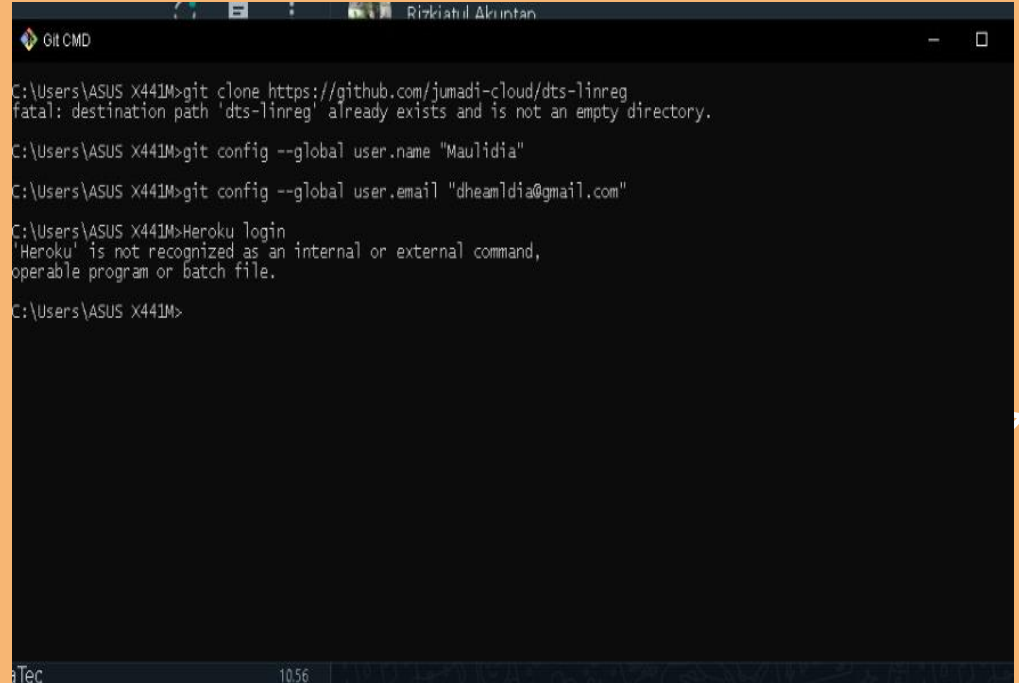
- **“username github punyamu”**

**git config --global user.email**

- **“nama emailmu”**

**heroku login**

Setelah itu enter saja dan akan diarahkan ke browser untuk login

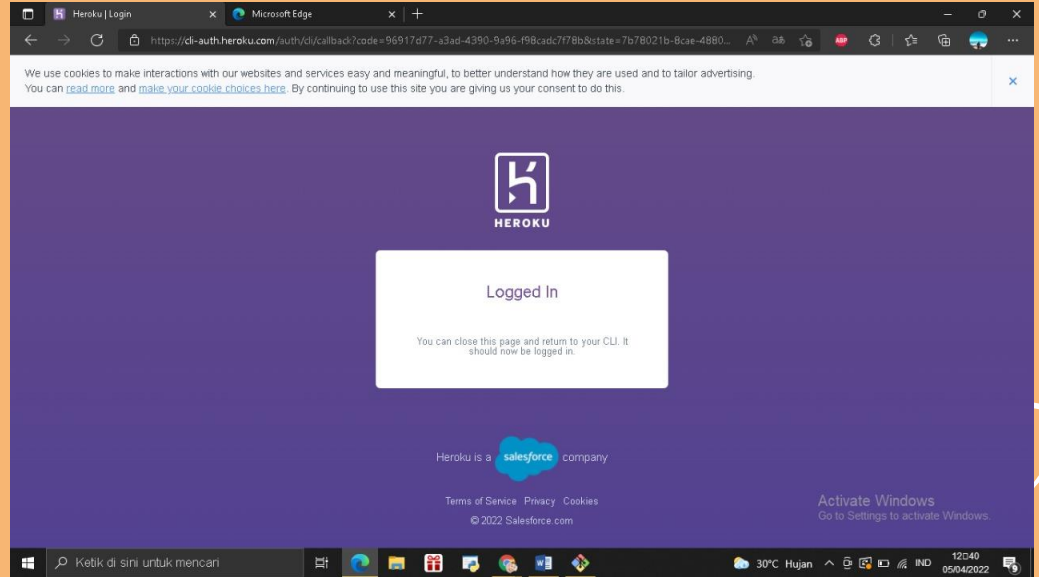


```
Git CMD
C:\Users\ASUS X441M>git clone https://github.com/jumadi-cloud/dts-linreg
fatal: destination path 'dts-linreg' already exists and is not an empty directory.
C:\Users\ASUS X441M>git config --global user.name "Maulidia"
C:\Users\ASUS X441M>git config --global user.email "dheamldia@gmail.com"
C:\Users\ASUS X441M>Heroku login
'Heroku' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\ASUS X441M>
```

12

## Step 12

Muncul tampilan seperti ini dan klik **Log In** .Setelah itu kita kembali lagi ke web heroku.

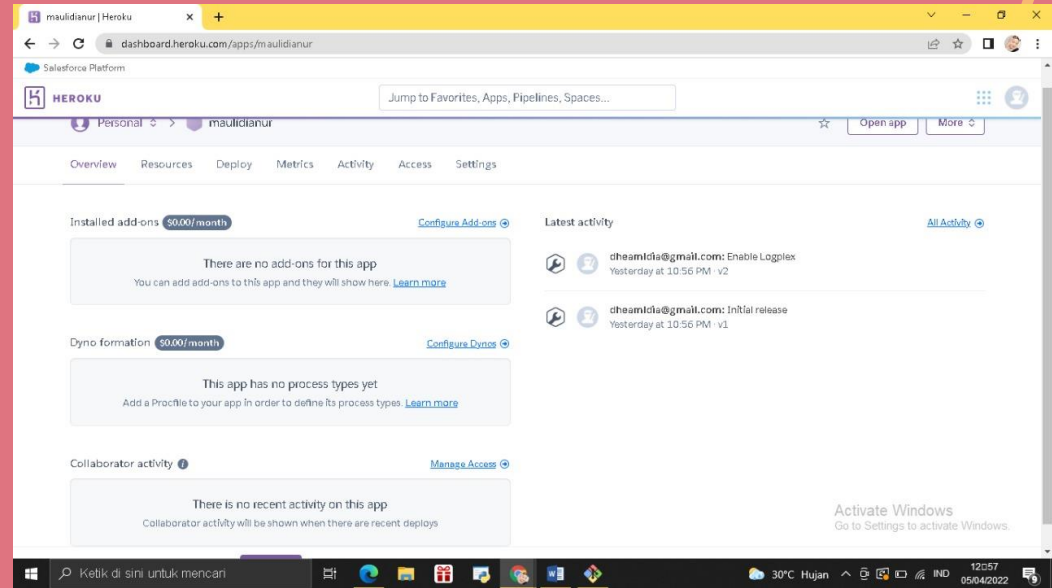




13

# Step<sup>+</sup> 13

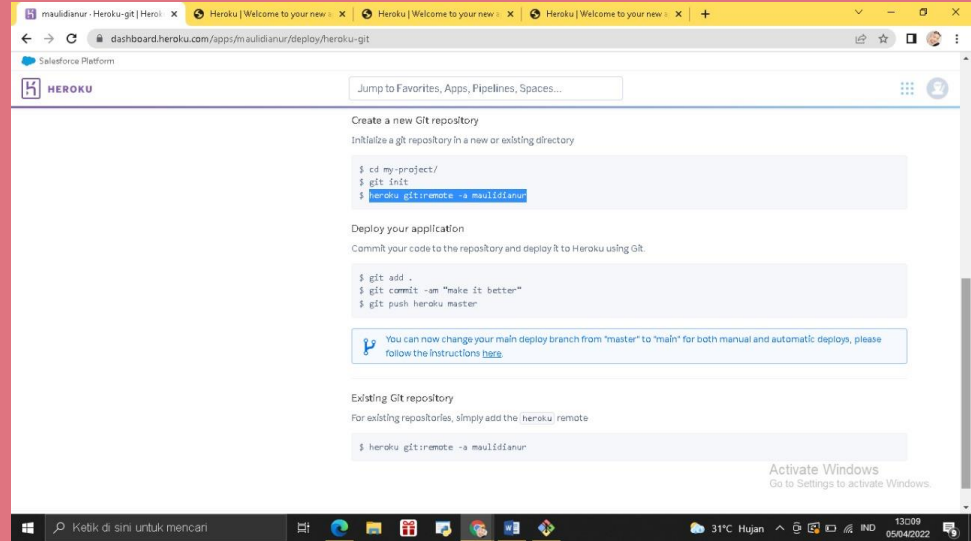
Kita pilih aplikasi kita  
kemudian pilih **Deploy**  
dan scroll ke bawah



14

# Step + 14

Terlihat ada 6 perintah deployment. Lalu kita copykan satu per satu ke git cmd yang sebelumnya. (ada beberapa perintah yang saya ganti agar tidak error)



The screenshot shows the Heroku dashboard for a user named 'maulidianur'. The page displays instructions for creating a new Git repository and deploying an application. The instructions are as follows:

```
$ cd my-project/  
$ git init  
$ heroku git:remote -s maulidianur
```

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](#).

Existing Git repository

For existing repositories, simply add the heroku remote

```
$ heroku git:remote -s maulidianur
```

At the bottom of the dashboard, there is a link to "Activate Windows" and a system tray showing the date and time as 13:09 on 05/04/2022.

## Step 15

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

```
GitCMD
C:\Users\ASUS X441M>git config --global user.name "maulidia"
C:\Users\ASUS X441M>git config --global user.email "dheanldia@gmail.com"

C:\Users\ASUS X441M>heroku login
'heroku' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\ASUS X441M>heroku login
! Warning: heroku update available from 7.53.0 to 7.60.1.
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/7d78021b-8cae-4880-86b9-afb4ec12f312?requestor=SPMyNTY.g2qbQAAAA0zN143MS4xMTQxMjMjbG9AeAw0-H88YgABUyA.F
k0InhsZaldfeMxvWZxiVwH0BdEUHx0SpLUgMnb08
Logging in... done
Logged in as dheanldia@gmail.com

C:\Users\ASUS X441M>
C:\Users\ASUS X441M>
C:\Users\ASUS X441M>
C:\Users\ASUS X441M>heroku login -i
! Warning: heroku update available from 7.53.0 to 7.60.1.
heroku: Enter your login credentials
Email [dheanldia@gmail.com]:
Password: *****
Logged in as dheanldia@gmail.com

C:\Users\ASUS X441M>cd dts-linreg
C:\Users\ASUS X441M>cd dts-linreg>
C:\Users\ASUS X441M>cd dts-linreg>git init
Reinitialized existing Git repository in C:/Users/ASUS X441M/dts-linreg/.git/

C:\Users\ASUS X441M>cd dts-linreg>heroku git:remote -a maulidianur
! Warning: heroku update available from 7.53.0 to 7.60.1.
set git remote heroku to https://git.heroku.com/maulidianur.git

C:\Users\ASUS X441M>cd dts-linreg>
C:\Users\ASUS X441M>cd dts-linreg>git add .
C:\Users\ASUS X441M>cd 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\ASUS X441M>cd dts-linreg>git push heroku master
error: src refspec master does not match any
error: failed to push some refs to 'https://git.heroku.com/maulidianur.git'

C:\Users\ASUS X441M>cd dts-linreg>
```

Activate Windows  
Go to Settings to activate Windows.

## Step 16

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

```
Git CMD - "C:\Program Files\Git\cmd\git.exe" push heroku main
Enumerating objects: 18, done.
Counting objects: 100% (18/18), done.
Delta compression using up to 2 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (18/18), 4.66 KiB | 529.00 KiB/s, done.
Total 18 (delta 5), reused 18 (delta 5), pack-reused 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-3.10.4
remote: ----> To use a different version, see: https://devcenter.heroku.com/articles/python-runtimes
remote: ----> Installing python-3.10.4
remote: ----> Installing pip 21.3.1, setuptools 57.5.0 and wheel 0.37.0
remote: ----> Installing SQLite3
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 Jinja2>=3.0
remote:   Downloading Jinja2-3.1.1-py3-none-any.whl (132 kB)
remote: Collecting click>=8.0
remote:   Downloading click-8.1.2-py3-none-any.whl (96 kB)
remote: Collecting Werkzeug>=2.0
remote:   Downloading Werkzeug-2.1.1-py3-none-any.whl (224 kB)
remote: Collecting itsdangerous>=2.0
remote:   Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
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 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 joblib>=1.1.0
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
remote: ----> Discovering process types
remote: Procfile declares types => web
remote: ----> Compressing...
```

17

# Step<sup>+</sup> 17



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

**Prediksi Biaya Asuransi Anda:**

Usia  
Usia

Jenis Kelamin:  
Laki-laki

Perokok:  
Ya

PREDIKSI SEKARANG →

Estimasi biaya asuransi Anda adalah  
**USD 0**

Activate Windows  
Go to Settings to activate Windows.



**Terimakasih**  
**selamat membaca**

Semangat baik ☺

