

**TRƯỜNG CAO ĐẲNG THỰC HÀNH
FPT-POLYTECHNIC TP.HCM**



INF205
Điện toán đám mây
Báo cáo Lab 3

Sinh viên thực hiện:

Mã số SV:

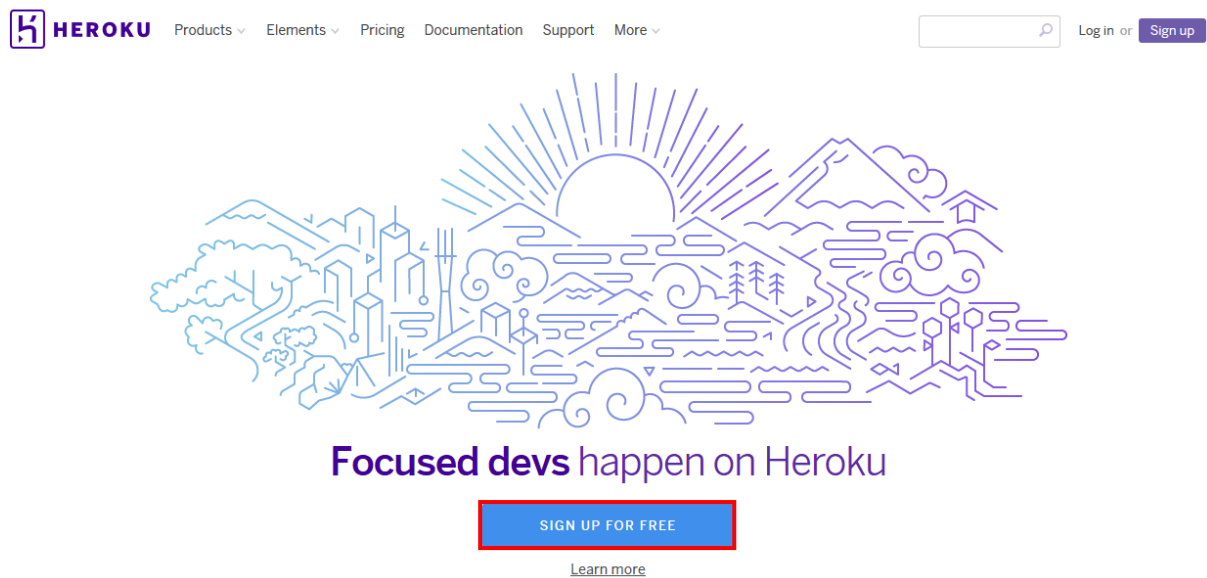
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Bài 1: Đăng ký tài khoản Heroku

1.1 Đăng ký tài khoản

- Truy cập vào trang <https://www.heroku.com/> → Sign Up For Free



- Điền thông tin theo yêu cầu → Create Free Account



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

Pick your primary development language

Signing up signifies that you have read and agree to the [Terms of Service](#) and [Privacy Policy](#).
Already have an account? [Log In](#)

- Thông báo truy cập vào email để xác nhận



Almost there...

Please check your email (duynps02822@fpt.edu.vn) to confirm your account.

If duynps02822@fpt.edu.vn is not your email address, please [go back](#) and enter the correct one.

If you haven't received our email in 5-10 minutes, please check your spam folder.

If you still haven't received it, please [email us](#).

- Email kích hoạt từ Heroku click vào link để kích hoạt



Thanks for signing up with Heroku! You must follow this link to activate your account:


<https://id.heroku.com/account/accept/3608240/d5daa577fa8fa54231eccc59768194a5>

Have fun, and don't hesitate to contact us with your feedback.

The Heroku Team

<https://heroku.com>

- Cài đặt password



Set your password

Create your password and log in to your Heroku account.


Good password.
Use letters, numbers and symbols to make it stronger

Passwords match

☒ Sign up for Heroku emails – we'll send you our latest updates, newsletters, events and more.
For more information view our [Privacy Policy](#).

Set password and log in

- Đăng ký thành công



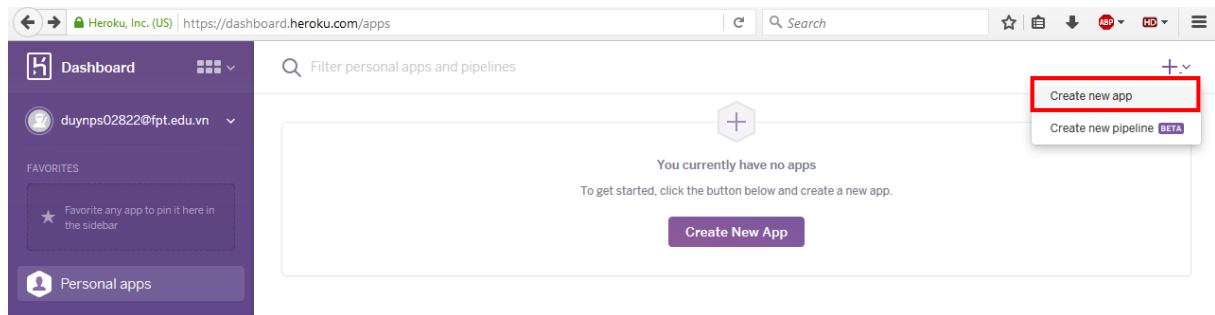
Welcome to Heroku

Your new account is all set up

[Click here to proceed as duynps02822@fpt.edu.vn](#)

2.2 Tạo ứng dụng trên Heroku

- Truy cập vào trang Dashboard trên Heroku → Create new app




- Đặt tên cho ứng dụng → Create App

New App

App Name (optional)

Leave blank and we'll choose one for you.



inf205-pt10303 is available

Region

☒ United States ☐ Europe

Create App

- Sau khi tạo ứng dụng thành công sẽ sinh ra một đoạn code để sử dụng trên Heroku Toolbelt

Install the Heroku Toolbelt

Download and install the [Heroku Toolbelt](#) or learn more about the [Heroku Command Line Interface](#).

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 inf205-pt10303
```

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
```

- Thông tin của ứng dụng vừa tạo

Name

inf205-pt10303 

Config Variables

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

[Reveal Config Vars](#)

Info

Region	United States
Stack	cedar-14
Framework	No framework detected
Git URL	<code>git@heroku.com:inf205-pt10303.git</code>
Repo size	0.0
Slug size	0.0 of 300MB

Domains

Add your custom domains here then [point your DNS to Heroku](#).

Heroku Domain
inf205-pt10303.herokuapp.com

Custom Domains

[Add domain](#)

Domain Name	DNS Target 
-------------	--------------------------------------------------------------------------------------------------

- Để xem domain của ứng dụng chọn tab Settings

Resources

Deploy

Metrics

Activity

Access

Settings

Name

inf205-pt10303

Config Variables

Reveal Config Vars

Config vars change the way your app behaves. In addition to creating your own, some add-ons come with their own.

Info

Region

Stack

Framework

Git URL

Repo size

Slug size

United States

cedar-14

No framework detected

git@heroku.com:inf205-pt10303.git

0.0

0.0 of 300MB

Domains

Add your custom domains here then [point your DNS to Heroku.](#)

Heroku Domain

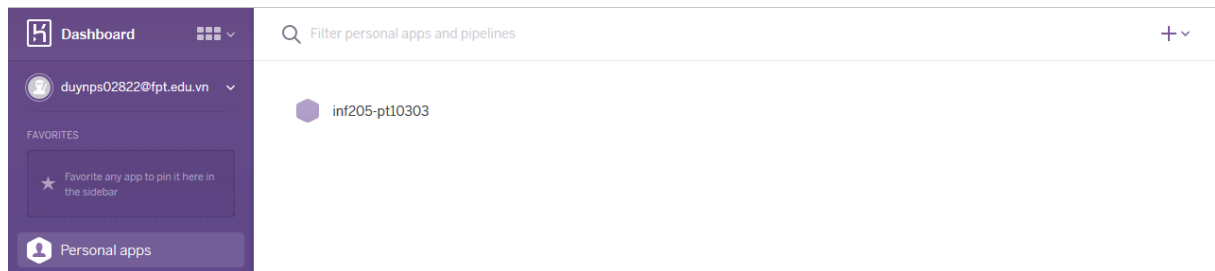
inf205-pt10303.herokuapp.com

Custom Domains

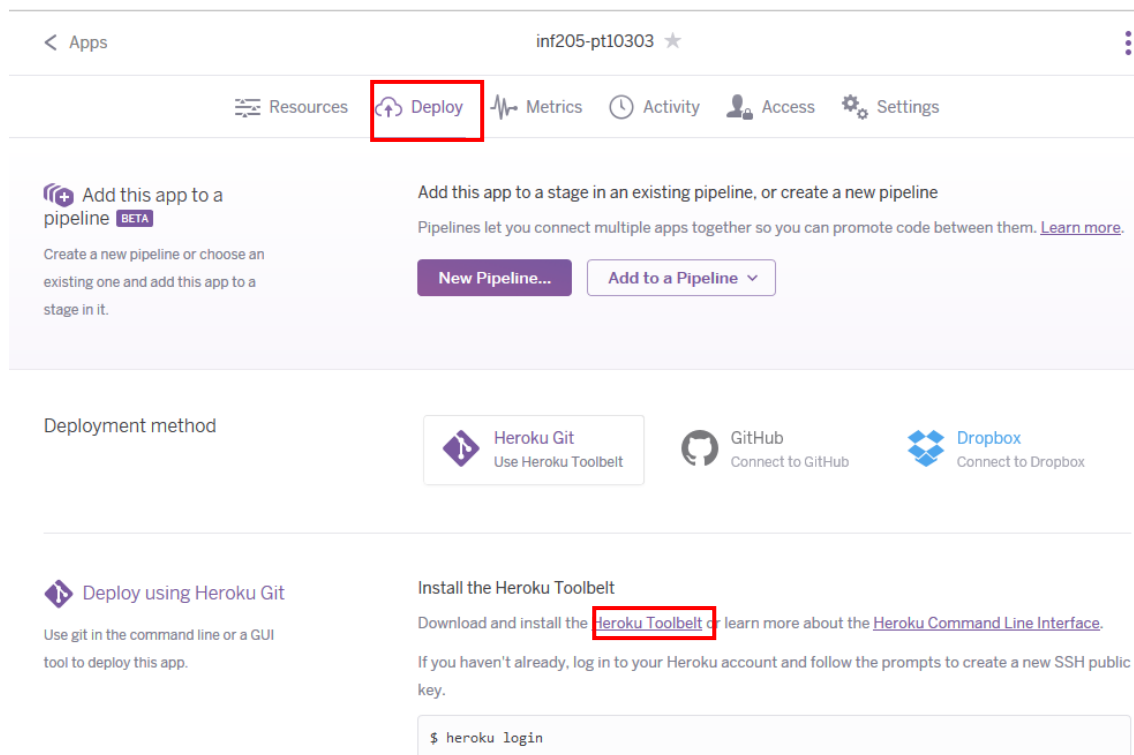
Add domain

3.3 Cài đặt Heroku Toolbelt

- Truy cập vào trang dashboard → click chọn app vừa tạo



- Click chọn tab Deploy → Click Heroku Toolbelt

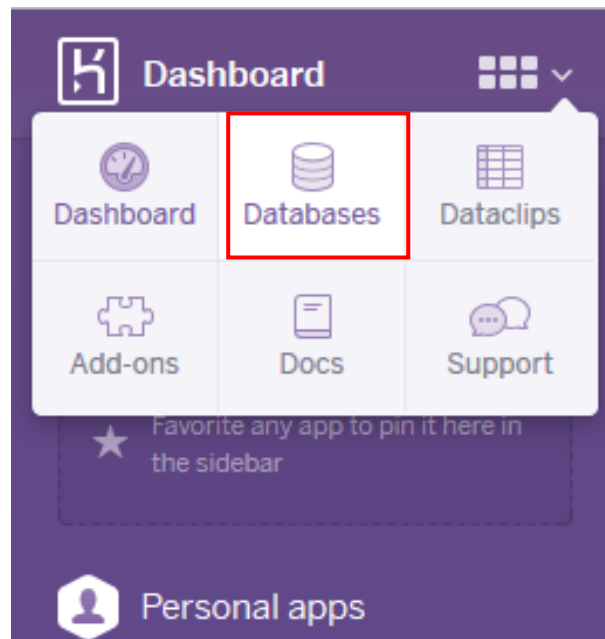


- Click chọn phiên bản phù hợp với hệ điều hành đang sử dụng → chọn Heroku Toolbelt for Windows để tải về máy và tiến hành cài đặt

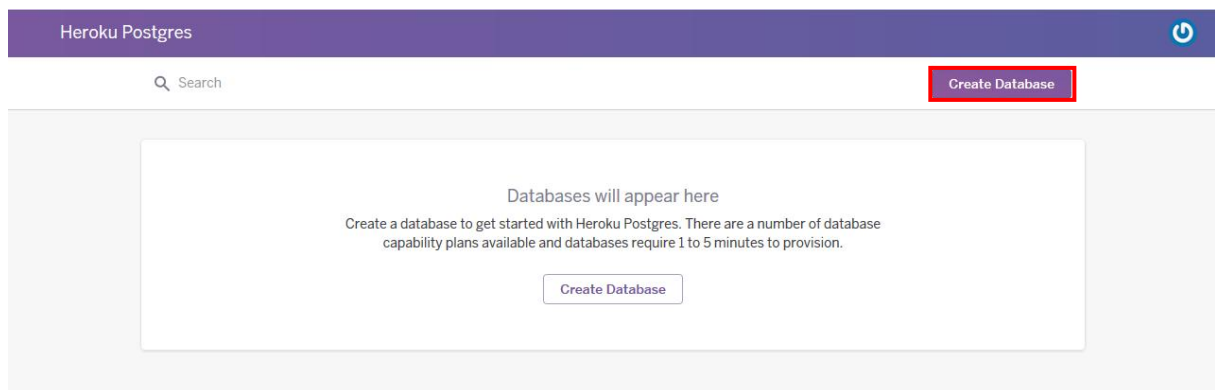


4.4 Tạo database

- Vào trang dashboard → click chọn  → Databases



- Chọn Create Database



- Chọn Dev Plan (Free) → Add Database

Heroku Postgres Database

Standard ⁰	Standard ²	Standard ⁴	Standard ⁶	Standard ⁷
1 GB RAM*	3.5 GB RAM*	15 GB RAM*	60 GB RAM*	120 GB RAM*
64 GB storage	256 GB storage	512 GB storage	1 TB storage	1 TB storage
120 connections	400 connections	500 connections	500 connections	500 connections
\$ 50 / mo	\$ 200 / mo	\$ 750 / mo	\$ 2,000 / mo	\$ 3,500 / mo

Other plans: **Dev Plan (Free)** and [Basic Plan \(\\$9/mo\)](#)

* To know more about memory usage, read this [Dev Center Article](#).
To view all our available databases, please visit [Heroku pricing](#).

Default Region ▼

Cancel **Add Database**

- Thông tin database vừa tạo

< Your Databases
heroku-postgres-fdff5d0d :: gray
⚙️

📄 Overview
📷 PG Backups

Connection Settings

Host ec2-23-23-126-39.compute-1.amazonaws.com

Database d240cc5fmomtrq

User soomdlkxpqviz

Port 5432

Password [Show](#)

Psql heroku pg:psql --app heroku-postgres-fdff5d0d HEROKU_POSTGRES_SQL_GRAY

URL [Show](#)

There are a variety of ways to connect to a Heroku Postgres database. Find out how to do so via [psql](#), [Java](#), [Ruby](#), [Python](#), or [Node.js](#).

Statistics

Resource name postgresql-trapezoidal-9590

Plan Hobby-dev

Status Available

Primary Yes ⓘ

Connections 0/20

Data Size 6.4 MB

Tables 0

PG Version 9.4.4

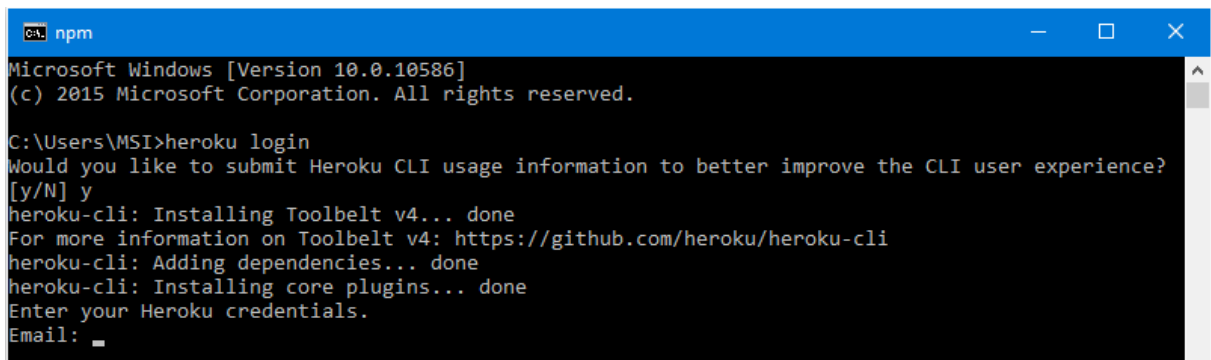
Created 2016-01-19T15:48:00Z

Rollback Unsupported

Rows 0/10000 (In compliance)

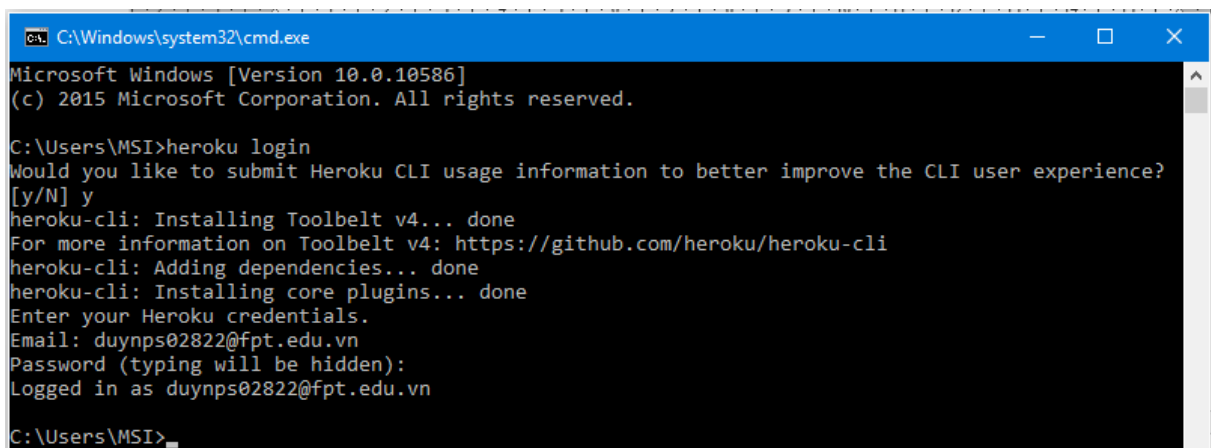
5.5 Sử dụng gitbash bằng command dos

- Mở cmd và gõ lệnh heroku login → gõ tiếp Y để cài đặt heroku cli



```
C:\Users\MSI>heroku login
Would you like to submit Heroku CLI usage information to better improve the CLI user experience?
[y/N] y
heroku-cli: Installing Toolbelt v4... done
For more information on Toolbelt v4: https://github.com/heroku/heroku-cli
heroku-cli: Adding dependencies... done
heroku-cli: Installing core plugins... done
Enter your Heroku credentials.
Email: _
```

- Gõ địa chỉ email và mật khẩu



```
C:\Users\MSI>heroku login
Would you like to submit Heroku CLI usage information to better improve the CLI user experience?
[y/N] y
heroku-cli: Installing Toolbelt v4... done
For more information on Toolbelt v4: https://github.com/heroku/heroku-cli
heroku-cli: Adding dependencies... done
heroku-cli: Installing core plugins... done
Enter your Heroku credentials.
Email: duynps02822@fpt.edu.vn
Password (typing will be hidden):
Logged in as duynps02822@fpt.edu.vn
C:\Users\MSI>
```

- Để remote ứng dụng đã được tạo ở trên gõ vào lần lượt các dòng lệnh

```
$ cd my-project/
$ git init
$ heroku git:remote -a inf205-pt10303
```

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\MSI>heroku login
Would you like to submit Heroku CLI usage information to better improve the CLI user experience?
[y/N] Y
Enter your Heroku credentials.
Email: duynps02822@fpt.edu.vn
Password (typing will be hidden):
Logged in as duynps02822@fpt.edu.vn

C:\Users\MSI>cd my-project/
The system cannot find the path specified.

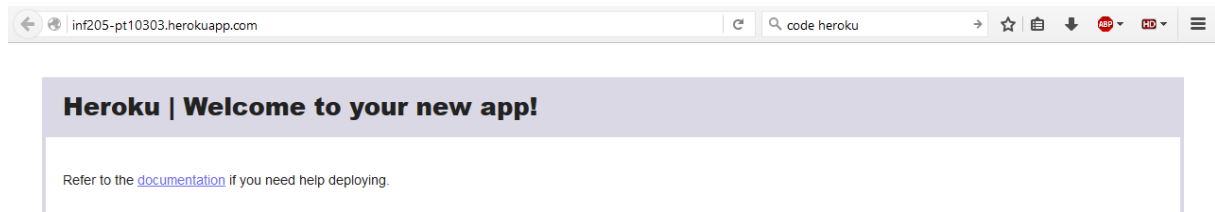
C:\Users\MSI>git init
Initialized empty Git repository in C:/Users/MSI/.git/

C:\Users\MSI>heroku git:remote -a inf205-pt10303
Would you like to submit Heroku CLI usage information to better improve the CLI user experience?
[y/N] y
set git remote heroku to https://git.heroku.com/inf205-pt10303.git
```

- Sử dụng lệnh heroku open để truy cập vào domain của ứng dụng

```
C:\Users\MSI>heroku open
Would you like to submit Heroku CLI usage information to better improve the CLI user experience?
[y/N] y
Opening inf205-pt10303... done
```

- Kết quả



Bài 2: Tạo ứng dụng trên Heroku bằng CLI

- Mở cmd và đăng nhập vào Heroku

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\MSI>heroku login
Would you like to submit Heroku CLI usage information to better improve the CLI user experience?
[y/N] y
Enter your Heroku credentials.
Email: duynps02822@fpt.edu.vn
Password (typing will be hidden):
Logged in as duynps02822@fpt.edu.vn
```

- Gõ dòng lệnh heroku apps:create [tenungdung] để tạo ứng dụng mới

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\MSI>heroku login
Would you like to submit Heroku CLI usage information to better improve the CLI user experience?
[y/N] y
Enter your Heroku credentials.
Email: duynps02822@fpt.edu.vn
Password (typing will be hidden):
Logged in as duynps02822@fpt.edu.vn

C:\Users\MSI>heroku apps:create bai2-lab3
Creating bai2-lab3... done, stack is cedar-14
exists
https://bai2-lab3.herokuapp.com/ | https://git.heroku.com/bai2-lab3.git
```

- Có thể tạo ứng dụng không cần đặt tên chỉ cần gõ heroku apps:create hệ thống sẽ tự đặt tên cho app

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.10586]
(c) 2015 Microsoft Corporation. All rights reserved.

C:\Users\MSI>heroku login
Would you like to submit Heroku CLI usage information to better improve the CLI user experience?
[y/N] y
Enter your Heroku credentials.
Email: duynps02822@fpt.edu.vn
Password (typing will be hidden):
Logged in as duynps02822@fpt.edu.vn

C:\Users\MSI>heroku apps:create bai2-lab3
Creating bai2-lab3... done, stack is cedar-14
exists
https://bai2-lab3.herokuapp.com/ | https://git.heroku.com/bai2-lab3.git

C:\Users\MSI>heroku apps:create
Creating app... done, stack is cedar-14
exists
https://rocky-falls-5443.herokuapp.com/ | https://git.heroku.com/rocky-falls-5443.git
```

- Truy cập vào trang dashboard để kiểm tra các app vừa tạo

