How to push to multiple repositories with different github accounts using one device?

```
bash

$\text{Step 1: Generate SSH Keys}$

$\text{ ssh-keygen -t rsa -b 4096 -C "your_email@example.com"}$

Generating public/private rsa key pair.

Enter file in which to save the key (/Users/yourusername/.ssh/id_rsa):

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in /Users/yourusername/.ssh/id_rsa.

Your public key has been saved in /Users/yourusername/.ssh/id_rsa.pub.
```

Generate SSH Keys

- Open a terminal
- ssh-keygen -t rsa -b 4096 -C "your_email@example.com"
- Defining the file name and where you want to create the ssh keys.

You will get a popup like this:

```
Enter file in which to save the key (C:\Users\Pri/.ssh/id_rsa):
```

To edit the file name a bit, write C:\Users\Pri/.ssh/id_rsa_personal

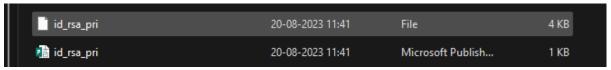
It should look like this:

```
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\Pri/.ssh/id_rsa): C:\Users\Pri/.ssh/id_rsa_personal
```

Next will ask for a passphrase, keep it empty, press enter and move ahead.
 If you get this kinds of image, that is mean ssh key is created

Copy key

type .ssh\id_rsa_personal.pub - type this in terminal to see the key Or you can open the **second** file located in users/user_name/.ssh folder copy the key from there



Copy the key and paste it github account
 Open your github account go to settings/SSH and GPG keys and add the key there

*Repeat the process for your official account . Like create ssh key and add it to your official account

After repeating the process twice
 You will have 4 files in user_name/.ssh folder

Like

- Id_rsa_personal
- Id_rsa_personal.pub
- Id_rsa_official
- Id_rsa_official.pub

Create config file

Now create a config file to specify when to use a key to clone a repository . In .ssh folder create config file along with key files and add the below lines there

Personal GitHub account
Host **personal** github.com
HostName github.com
PreferredAuthentications publickey
IdentityFile ~/.ssh/id_rsa_personal

Official GitHub account
Host official github.com
HostName github.com
PreferredAuthentications publickey
IdentityFile ~/.ssh/id_rsa_official

• Clone repositories

Now you can clone any private repository from your github account using ssh key

Go to the repository and copy line from code/ssh

You will get something like this git@github.com:pritam-go-plus/official-repo.git

Change it to - git@official:pritam-go-plus/official-repo.git
And add git clone before it
Something like this
git clone git@official:pritam-go-plus/official-repo.git

Paste this in terminal and you will get the repository in your local

*Repeat the process for your personal and official repositories

Define user name and email

Now as you have **two repositories** you want to appear different in those repositories to make changes and push to github.

So cd in into those repositories and set user name and email

Like this

cd official-repo

git config user.email "your_official_email@example.com"

git config user.name "Your Official Name"

*Repeat the process for your personal account

So now as you set different user details in those repositories. Modifier of those repositories will be different. If you want to check who is the modifier just **cd** into the repository and do **git config user.email**

cd official-repo git config user.email

Your email will appear