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

- **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:

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

      It should look like this :

- 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

```
The key's randomart image is:
+---[RSA 4096]----+
|          .E.+.Bo|
|         o B.. = +|
|          .X B .   |
|        . oo.O +   |
|         o S*.+ . . |
|          ..=o . o .|
|          ..+. o . .|
|          .o.o+ . . |
```

- **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

id_rsa_pri	20-08-2023 11:41	File	4 KB
id_rsa_pri	20-08-2023 11:41	Microsoft Publish...	1 KB

- 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