

Check that your github will be configured or not and it is configured

```
abdu1@DESKTOP-OAF4R31:~$
abdu1@DESKTOP-OAF4R31:~$ git config --global user.name "Professionaldeveloper78"
error: key does not contain a section: global
abdu1@DESKTOP-OAF4R31:~$ git config --global user.name "Professionaldeveloper78"
error: key does not contain a section: global
abdu1@DESKTOP-OAF4R31:~$ git config --global user.name "Professionaldeveloper78"
abdu1@DESKTOP-OAF4R31:~$ git config --global user.email "a06948414@gmail.com"
abdu1@DESKTOP-OAF4R31:~$ git config --list
user.name=Professionaldeveloper78
user.email=a06948414@gmail.com
core.repositoryformatversion=0
core.filemode=true
core.bare=false
core.logallrefupdates=true
abdu1@DESKTOP-OAF4R31:~$
```

SSH key generated and also configure with linux

```
abdu1@DESKTOP-OAF4R31:~$ ssh-keygen -t ed25519
Generating public/private ed25519 key pair.
Enter file in which to save the key (/home/abdu1/.ssh/id_ed25519):
Created directory '/home/abdu1/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/abdu1/.ssh/id_ed25519
Your public key has been saved in /home/abdu1/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:ttWm6GH/ighFP9fnqmLv9L2B0r-j2Dhm0GaAAve900IQ abdu1@DESKTOP-OAF4R31
The key's randomart image is:
+--[ED25519 256]--+
|..o..|
|E.o..|
|.o.++|
|...So=|
|...o.o.*o|
|..o.*++|
|..o.o8.o*|
|..o+*0o++|
|-----[SHA256]-----+
abdu1@DESKTOP-OAF4R31:~$
```

## Check the contents of the directory

```
abdu1@DESKTOP-OAF4R3: ~/ssh
abdu1@DESKTOP-OAF4R3:~$ cd ~/ssh/
abdu1@DESKTOP-OAF4R3:~/ssh$ ls
id_ed25519  id_ed25519.pub
abdu1@DESKTOP-OAF4R3:~/ssh$
```

## SSH key added

Time complexity analysis x (1) YouTube x Time complexity analysis x Assignments | Assignment: x SSH and GPG keys x Error explanation git confi x + -

github.com/settings/keys

Adobe Acrobat

Settings

You have successfully added the key 'Operating system'.

Professionaldeveloper78 (Professionaldeveloper78)  
Your personal account

Go to your personal profile

Public profile  
Account  
Appearance  
Accessibility  
Notifications

Access  
Billing and licensing  
Emails  
Password and authentication  
Sessions

SSH and GPG keys


Organizations  
Enterprises  
Moderation

### SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

#### Authentication keys



**Operating system**  
SHA256:tTwn6GH/1gHFP9fnqm1v9L2B0rj20hdGaaAve900IQ  
Added on Sep 24, 2025  
Never used — Read/write

Delete

Check out our guide to [connecting to GitHub using SSH keys](#) or troubleshoot [common SSH problems](#).

### GPG keys

New GPG key

There are no GPG keys associated with your account.  
Learn how to [generate a GPG key and add it to your account](#).

## Key is successfully authenticated

```
abdu1@DESKTOP-OAF4R31: ~/ssh
abdu1@DESKTOP-OAF4R31:~$ cd ~/.ssh/
abdu1@DESKTOP-OAF4R31:~/.ssh$ ls
id_ed25519 id_ed25519.pub
abdu1@DESKTOP-OAF4R31:~/.ssh$ cat id_ed25519.pub
ssh-ed25519 AAAAC3NzaC1lZD11NTESAAAA1Najhh75h9Q2EDC/yjBt3vxXG0z7P8oYg6J/1F/OigeK abdu1@DESKTOP-OAF4R31
abdu1@DESKTOP-OAF4R31:~/.ssh$ ssh -T git@github.com
# Attempts to ssh to GitHub
The authenticity of host 'github.com (20.207.73.82)' can't be established.
ED25519 key fingerprint is SHA256:•D1Y3wvV6TuJjhpZisF/zLD40zPMSvHdkr4UvCOQu.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'yes', 'no' or the fingerprint:
Host key verification failed.
abdu1@DESKTOP-OAF4R31:~/.ssh$ ssh -T git@github.com
The authenticity of host 'github.com (20.207.72.82)' can't be established.
ED25519 key fingerprint is SHA256:•D1Y3wvV6TuJjhpZisF/zLD40zPMSvHdkr4UvCOQu.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
Hi ProfessionalDeveloper781 You've successfully authenticated, but GitHub does not provide shell access.
abdu1@DESKTOP-OAF4R31:~/.ssh$
```

## Gcc and g++

```
abdu1@DESKTOP-OAF4R31: ~/ssh
abdu1@DESKTOP-OAF4R31:~/.ssh$ gcc --version
gcc (Ubuntu 13.3.0-6ubuntu2~24.04) 13.3.0
Copyright (C) 2023 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

abdu1@DESKTOP-OAF4R31:~/.ssh$ g++ version
/usr/bin/ld: cannot find version: No such file or directory
collect2: error: ld returned 1 exit status
abdu1@DESKTOP-OAF4R31:~/.ssh$ g++ --version
g++ (Ubuntu 13.3.0-6ubuntu2~24.04) 13.3.0
Copyright (C) 2023 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

abdu1@DESKTOP-OAF4R31:~/.ssh$
```