

## Checking keys

```
C:\Users\Romar>gpg --list-keys
[keyboxd]
-----
pub  ed25519 2024-11-19 [SC] [expires: 2027-11-19]
    0348FCD172FC389DBBADB18349FA16654FF7B899
uid  [ultimate] Javannio Reid <javannio96@gmail.com>
sub  cv25519 2024-11-19 [E] [expires: 2027-11-19]

pub  ed25519 2024-11-19 [SC] [expires: 2027-11-19]
    373B986462387B5448FFC637B57F00C46C7A8CC8
uid  [ultimate] Romarrian Reid <romarrianreid@gmail.com>
sub  cv25519 2024-11-19 [E] [expires: 2027-11-19]

pub  rsa4096 2024-11-19 [SC]
    3E22D0A61D0B9AC9270E66FA8E83853FC5667105
uid  [ unknown] Kimberly Pecco (babycakes) <kim.pecco2.0@gmail.com>
sub  rsa4096 2024-11-19 [E]

pub  ed25519 2024-11-19 [SC] [expires: 2027-11-19]
    8E78131856442F6FA3FD4F1F78442A07DC4C3D8B
uid  [ultimate] Zorisord <zorisordco@gmail.com>
sub  cv25519 2024-11-19 [E] [expires: 2027-11-19]

pub  rsa2048 2024-11-19 [SC] [expires: 2025-11-19]
    F27FBC75BBD20B19B206BF684E4348224A2816F2
uid  [ultimate] Javannio Reid <javannio96@gmail.com>
sub  rsa2048 2024-11-19 [E] [expires: 2025-11-19]

pub  ed25519 2023-11-23 [SC] [expires: 2026-11-22]
    FE99C78EFD3775C8950AC843BA6AFEB251A838DA
uid  [ unknown] Kimberly Pecco <kim.pecco2.0@gmail.com>
sub  cv25519 2023-11-23 [E] [expires: 2026-11-22]
```

## Verifying fingerprint and Signing friend's Key

```
C:\Users\Romar>gpg --fingerprint 3E22D0A61D0B9AC9270E66FA8E83853FC5667105
pub  rsa4096 2024-11-19 [SC]
    3E22 D0A6 1D0B 9AC9 270E 66FA 8E83 853F C566 7105
uid  [ unknown] Kimberly Pecco (babycakes) <kim.pecco2.0@gmail.com>
sub  rsa4096 2024-11-19 [E]

C:\Users\Romar>gpg --sign-key kim.pecco2.0@gmail.com

pub  rsa4096/8E83853FC5667105
    created: 2024-11-19  expires: never      usage: SC
    trust: unknown      validity: unknown
sub  rsa4096/9E9A67A299A8FAAF
    created: 2024-11-19  expires: never      usage: E
[ unknown] (1). Kimberly Pecco (babycakes) <kim.pecco2.0@gmail.com>

pub  rsa4096/8E83853FC5667105
    created: 2024-11-19  expires: never      usage: SC
    trust: unknown      validity: unknown
Primary key fingerprint: 3E22 D0A6 1D0B 9AC9 270E 66FA 8E83 853F C566 7105

    Kimberly Pecco (babycakes) <kim.pecco2.0@gmail.com>

Are you sure that you want to sign this key with your
key "Javannio Reid <javannio96@gmail.com>" (49FA16654FF7B899)

Really sign? (y/N) y

C:\Users\Romar>gpg --armor --export kim.pecco2.0@gmail.com > kimberly_public_key.asc
```

Uploading Friend's signed key and checking for my key that my friend signed and uploaded.

```
C:\Users\Romar>gpg --keyserver keyserver.ubuntu.com --send-keys 3E22D0A61D0B9AC9270E66FA8E83853FC5667105
gpg: sending key 8E83853FC5667105 to hkps://keyserver.ubuntu.com

C:\Users\Romar>gpg --armor --encrypt --recipient kim.pecco2.0@gmail.com C:\Users\Romar\OneDrive\Documents\message.txt

C:\Users\Romar>gpg --keyserver keyserver.ubuntu.com --recv-keys F27FBC75BBD20B19B206BF684E4348224A2816F2
gpg: key 4E4348224A2816F2: "Javannio Reid <javannio96@gmail.com>" not changed
gpg: Total number processed: 1
gpg:      unchanged: 1
```

Checking signed keys on my device

```
C:\Users\Romar>gpg --list-sigs
[keyboard]
-----
pub   ed25519 2024-11-19 [SC] [expires: 2027-11-19]
      0348FCD172FC389DBBADB18349FA16654FF7B899
uid   [ultimate] Javannio Reid <javannio96@gmail.com>
sig 3      49FA16654FF7B899 2024-11-19 [self-signature]
sub   cv25519 2024-11-19 [E] [expires: 2027-11-19]
sig       49FA16654FF7B899 2024-11-19 [self-signature]

pub   ed25519 2024-11-19 [SC] [expires: 2027-11-19]
      373B986462387B5448FFC637B57F00C46C7A8CC8
uid   [ultimate] Romarrian Reid <romarrianreid@gmail.com>
sig 3      B57F00C46C7A8CC8 2024-11-19 [self-signature]
sub   cv25519 2024-11-19 [E] [expires: 2027-11-19]
sig       B57F00C46C7A8CC8 2024-11-19 [self-signature]

pub   rsa4096 2024-11-19 [SC]
      3E22D0A61D0B9AC9270E66FA8E83853FC5667105
uid   [ full ] Kimberly Pecco (babycakes) <kim.pecco2.0@gmail.com>
sig 3      8E83853FC5667105 2024-11-19 [self-signature]
sig       49FA16654FF7B899 2024-11-20 Javannio Reid <javannio96@gmail.com>
sub   rsa4096 2024-11-19 [E]
sig       8E83853FC5667105 2024-11-19 [self-signature]

pub   ed25519 2024-11-19 [SC] [expires: 2027-11-19]
      8E78131856442F6FA3FD4F1F78442A07DC4C3D8B
uid   [ultimate] Zorisord <zorisordco@gmail.com>
sig 3      78442A07DC4C3D8B 2024-11-19 [self-signature]
sub   cv25519 2024-11-19 [E] [expires: 2027-11-19]
sig       78442A07DC4C3D8B 2024-11-19 [self-signature]

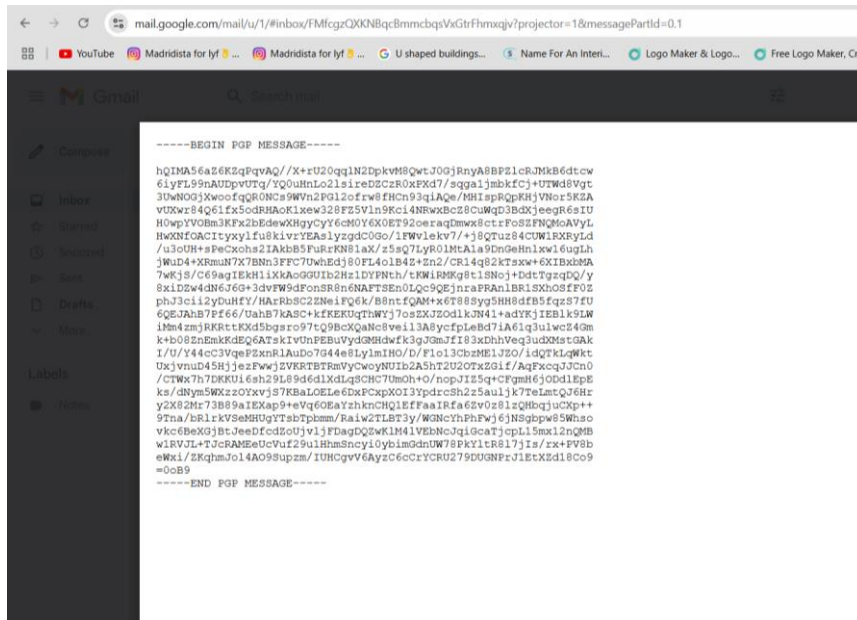
pub   rsa2048 2024-11-19 [SC] [expires: 2025-11-19]
      F27FBC75BBD20B19B206BF684E4348224A2816F2
uid   [ultimate] Javannio Reid <javannio96@gmail.com>
sig 3      4E4348224A2816F2 2024-11-19 [self-signature]
sub   rsa2048 2024-11-19 [E] [expires: 2025-11-19]
sig       4E4348224A2816F2 2024-11-19 [self-signature]

pub   ed25519 2023-11-23 [SC] [expires: 2026-11-22]
      FE99C78EFD3775C8950AC843BA6AFEB251A838DA
uid   [ unknown ] Kimberly Pecco <kim.pecco2.0@gmail.com>
sig 3      BA6AFEB251A838DA 2023-11-23 [self-signature]
sub   cv25519 2023-11-23 [E] [expires: 2026-11-22]
sig       BA6AFEB251A838DA 2023-11-23 [self-signature]
```

## Encrypting message to send to friend

```
C:\Users\Romar>gpg --armor --encrypt --recipient kim.pecco2.0@gmail.com C:\Users\Romar\OneDrive\Documents\message.txt
File 'C:\Users\Romar\OneDrive\Documents\message.txt.asc' exists. Overwrite? (y/N) y
```

## Encrypted message sent to friend



## Message decrypted by friend

```
kimberlypecco@Pecs-mac ~ % gpg --armor --decrypt -- /Users/kimberlypecco/Desktop/netcen/starter_code-3/message.txt.asc
gpg: encrypted with rsa4096 key, ID 9E9A67A299A8FAAF, created 2024-11-19
"Kimberly Pecco (babycakes) <kim.pecco2.0@gmail.com>"
Email Attempt for net centric.

## A Net of Webs, a Cyber Dream ##

Upon the wires that hum and gleam,
Where circuits pulse and voices scream,
In digital realms, we dare to tread,
Yet still, the world remains unsaid.

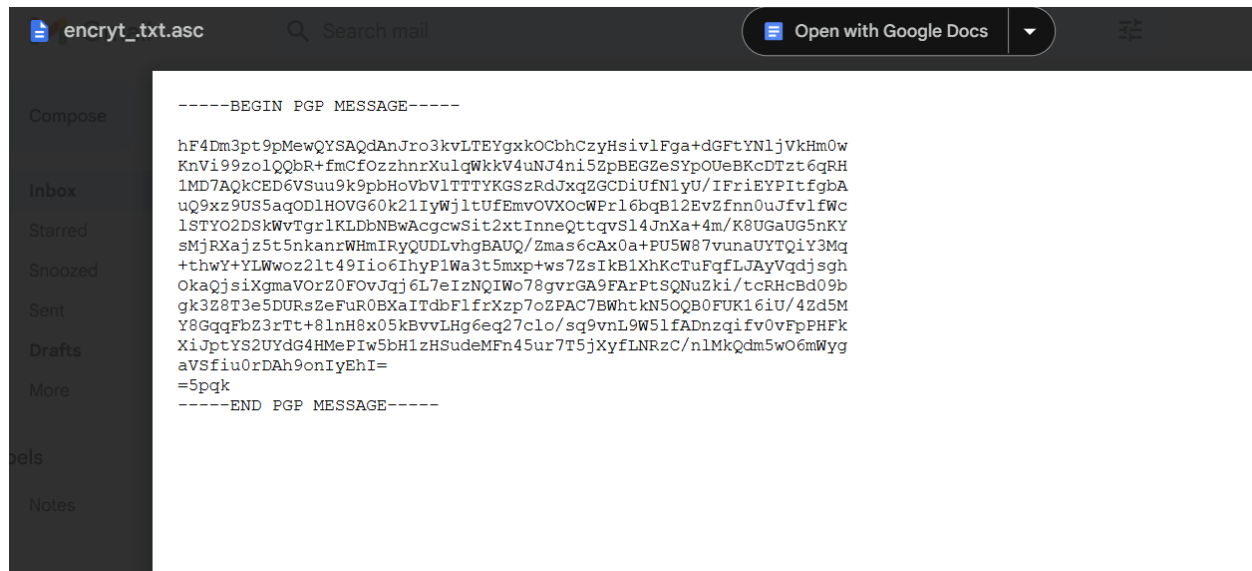
What fickle beast, this net-bound link,
That draws us in, and makes us think!
Though screens may shine, and bytes may fly,
What truth within do we deny?

O swirling dance of light and code,
Thou hast beguiled both young and old.
Each click, a step, a fleeting call,
That leads us far-yet does not stall.

Thine interface dost offer me
A thousand paths, but none set free.
For every page doth hide a snare,
A fleeting joy, yet empty air.

Let not thy sway o'er me be cast,
For though it beckons, I must pass.
To wander through the webs we weave,
Is but a dream we dare to leave.
kimberlypecco@Pecs-mac ~ %
```

## Encrypted Message sent by friend



## Decrypting message sent by friend

```
C:\Users\Romar>gpg --armor --decrypt "C:\Users\Romar\Downloads\encrypt_.txt.asc"
gpg: encrypted with cv25519 key, ID 9B7A6DF6931EC106, created 2024-11-19
      "Javannio Reid <javannio96@gmail.com>"
You are the bestest friend ever in the whole wide world.

a enemy will always snitch,
a friend likes you wether your poor or rich,
a enemy won't help you in a fight,
a friend is there wether you're wrong or right,
a enemy hurts you day and night, a friend is like family you're always tight,
a enemy wont catch you if you fall, a friend is someone you can always call,
a enemy doesn't care if you stay alive,
a friend doesn't let you drink and drive, a enemy doesn't care if you feel sad,
a friend is there thru good and bad, a enemy is not a friend hes fake, a friend will give but not take,
a enemy will try to hit up your girl, a friend will help you confront the world,
a enemy borrows money and doesn't pay you back, a friend will always have your back,
a enemy to hurt you will always find a way, but a friend will always be there until your last day.
```