Sabe dito In public key encryption, two different keys are used to encrypt and decrypt the data.

One is the public key and other is the private key.

They come as a pairs.

The public key encryption is also known asymmetric key encryption because two different keys are used.

In public key encryption, the public key is public to anyone, while the private key belongs only to the person who creates these two keys.

For example:

Eurie is sending a lovely message to mary joy, and they agree to use the public key encryption to encrypt his message.

Tandaan lang natin the public key encryption to encrypt the sender’s message starts with the receiver, mary.

Here is how it works;

First, mary creates a pair of keys: one public key and one private key.

She keeps the private key and gives public key to Eurie.

After eurie writes his message, he uses the public key to encrypt it.

When mary gets the encrypted document, and she uses the private key to decrypt it.

Remember; the public key method to encrypt the sender’s message starts with the receiver, not the sender.

The public key is public to everyone. The private key is only known to the receiver.

Here is another example;

Eurie wants to send an encrypted message to maryjoy and they agree to use the public key encryption.

My question are “who creates the keys?”si maryjoy

Who uses the public key? “Si Eurie” And who use the private key? ”si maryjoy”

Here is the answer and all steps they take in the whole process.

First step; mary joy creates a pair of keys; one public key and another one is private key.

Mary joy puts the public key in public key server which anyone can access.

Step 2; mary joy informs Eurie where he can get her public key

Step 3; Eurie gets mary joy’s public key has as he followed maryjoy instruction.

Step 4; Eurie writes a message and uses mary joy public key to encrypt it

Step 5; Eurie sends his encrypted message to maryjoy

Step 6; mary joy uses her own private key to decrypt Eurie message

Although maryjoy private key can verify no one read or change the document in transport, it cannot verify the sender.

Because mary joy public key is public, anyone can use it to encrypt his document and send it to mary joy while pretending to be Eurie.