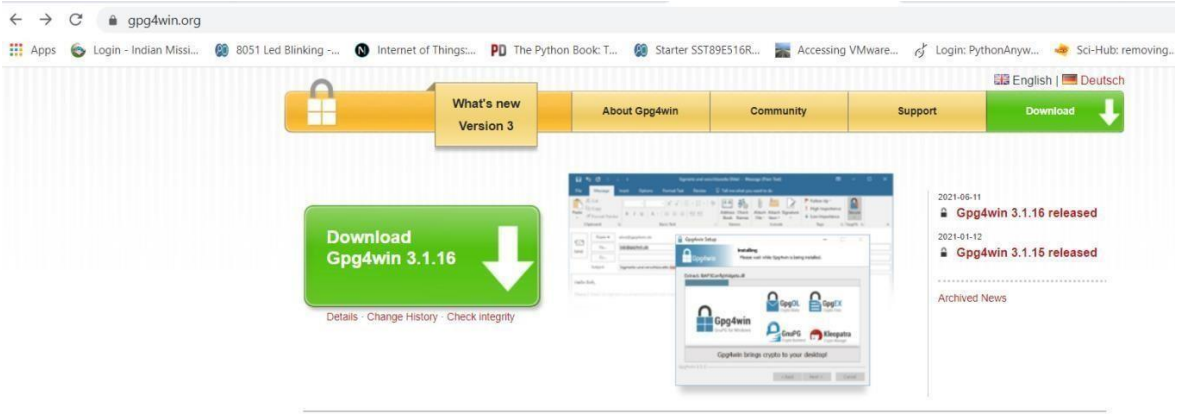
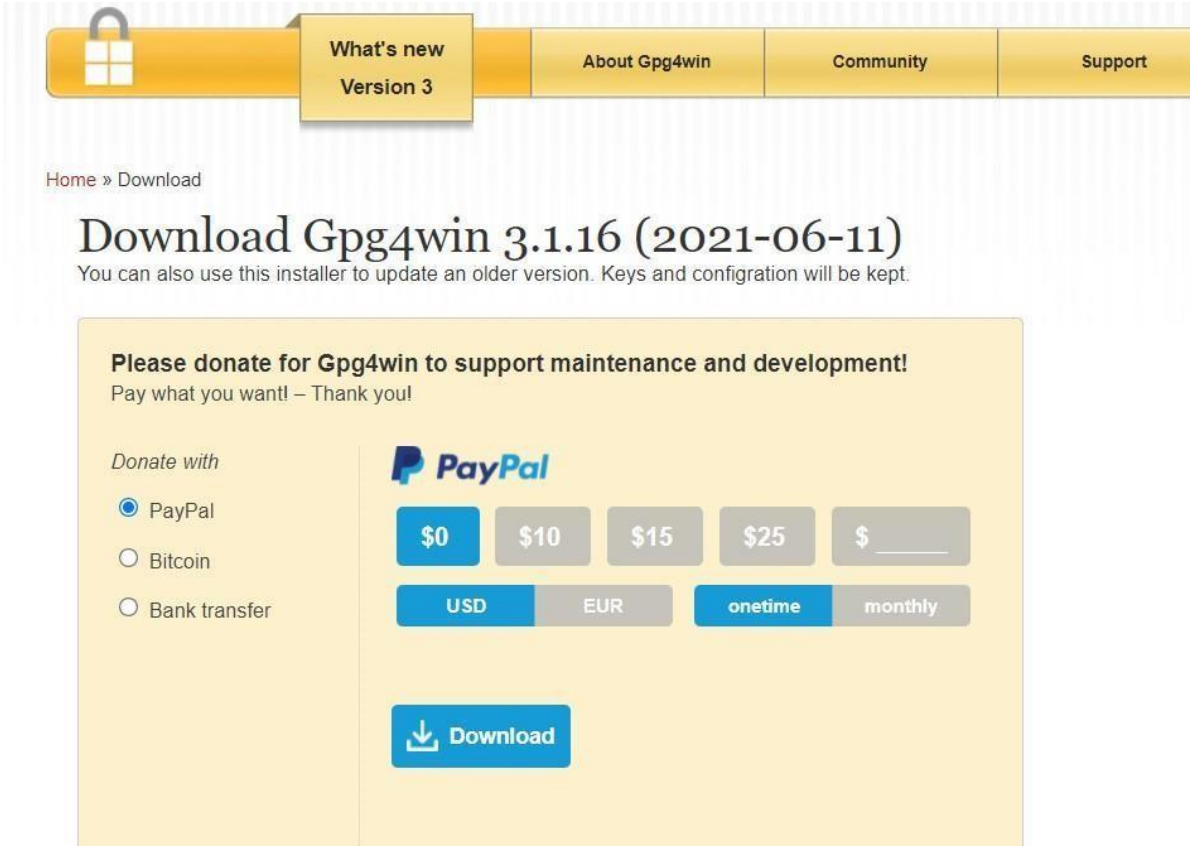
Procedure: Step 1:

Install gPg4win Tool by clicking the link (https://www.gpg4win.org/thanks-for-download.html)

Click Download



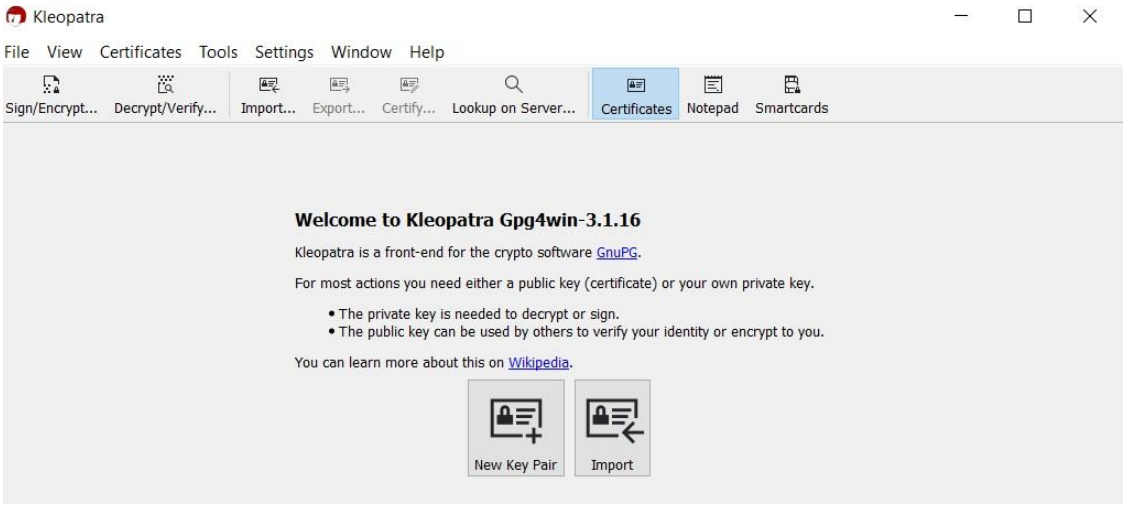
Click on 0 dollar and download



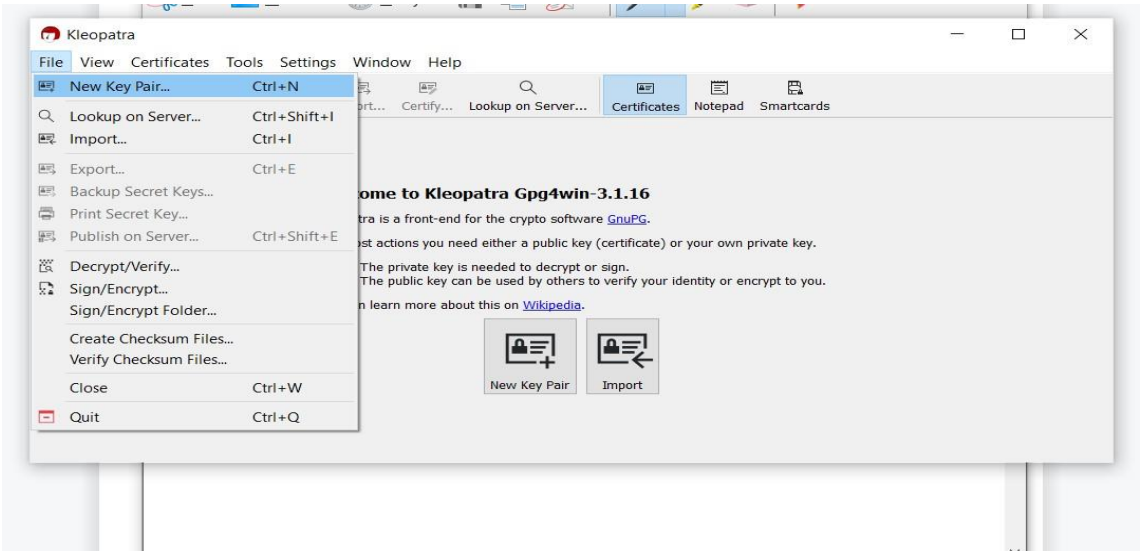
Click ok ------> Next ------> Select GPA and Browser Integration > Install > Finish

Step 2:

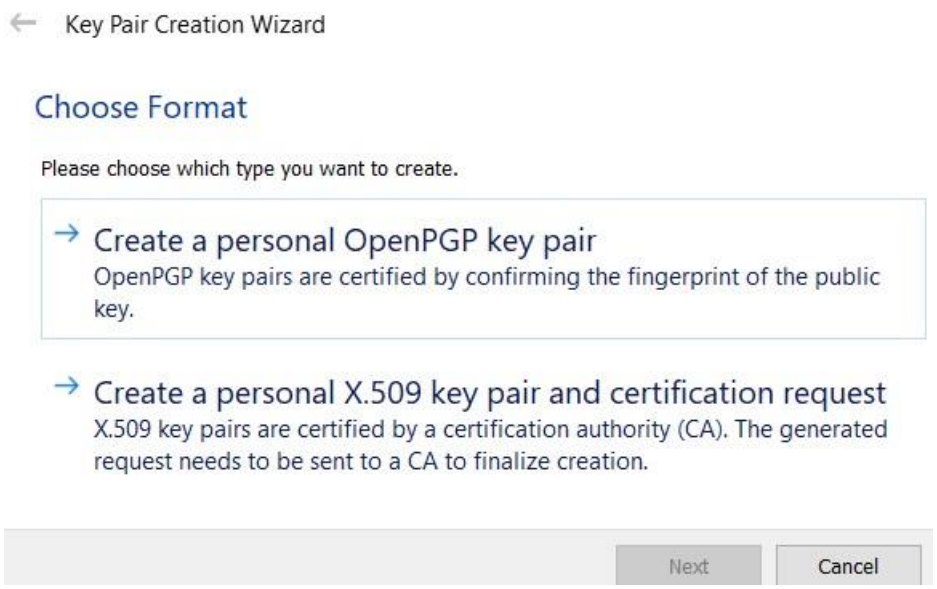
Click Kleopatra Software



Click on File > New Key Pair



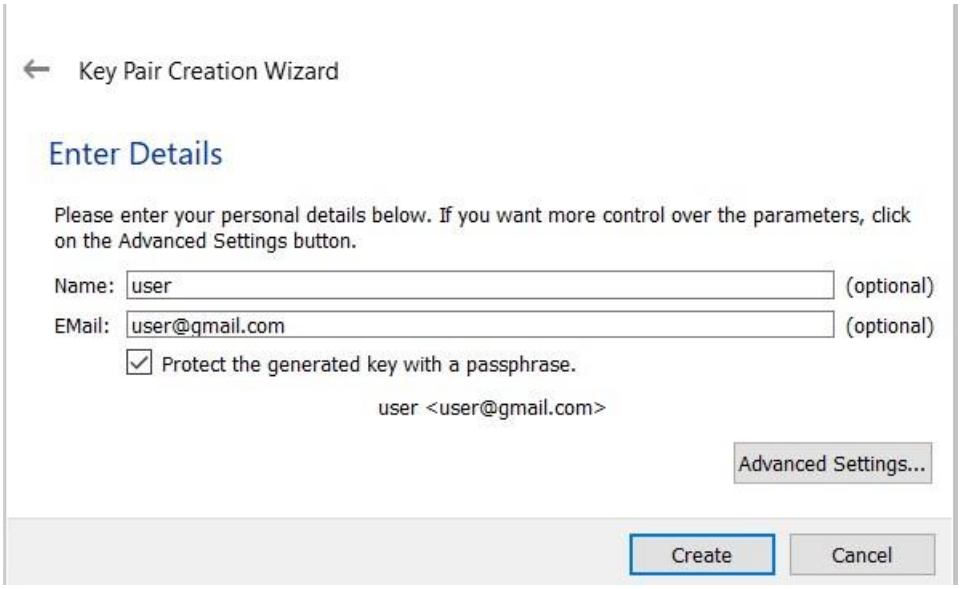
Select Create a OpenPGP Key Pair



Click Next and give User name “your name”
Mail as “yourname@gamail.com”

Click on **Protect the generated key with a passphrase**

Select Create



Give the password

Key pair will be created Successfully.

Click Finish

Step 3:

Go to the Kleopatra and right click the name field and click export and save it as public key

Go to the Kleopatra and right click the EMAIL field and click back up secret key as a private key

Step 4:

Go to Notepad and Type Any message you want to Send

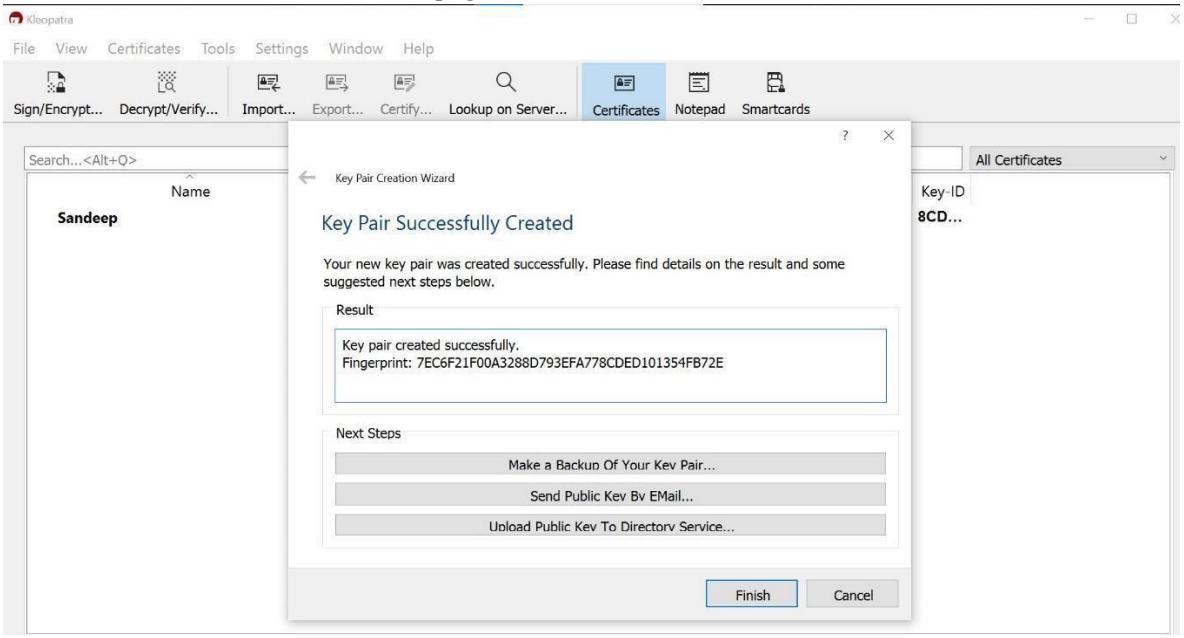
Step 5:

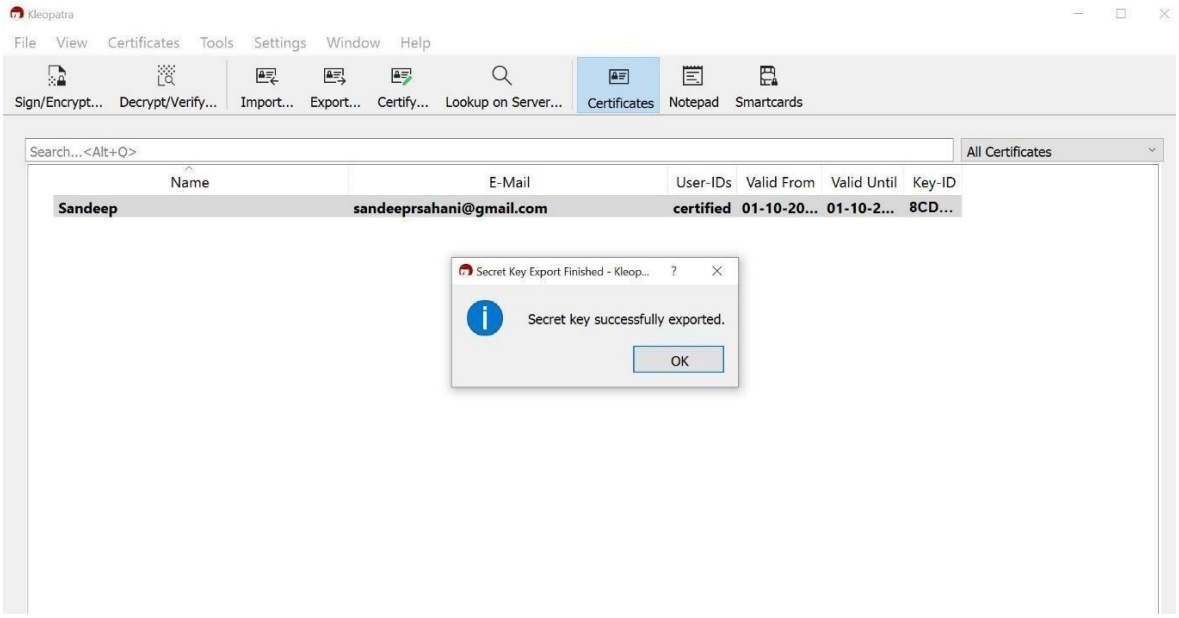
Copy the message you have written in the notepad and Go to the kleopatra and Select clipboard and Encrypt

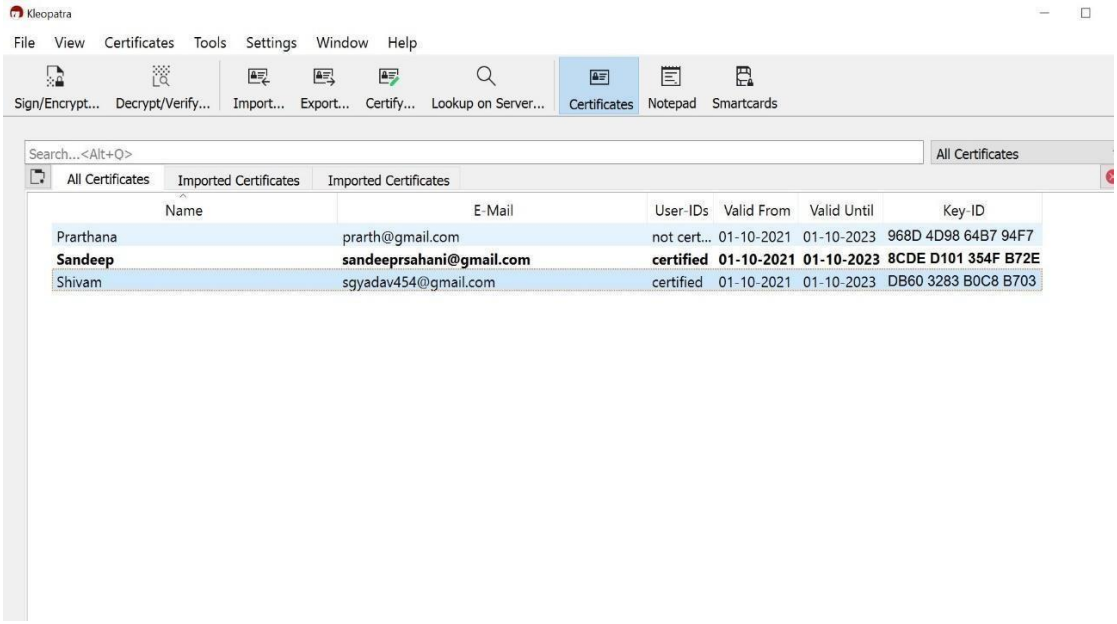
Step 6: Do the Same procedure for the Decryption

Output:

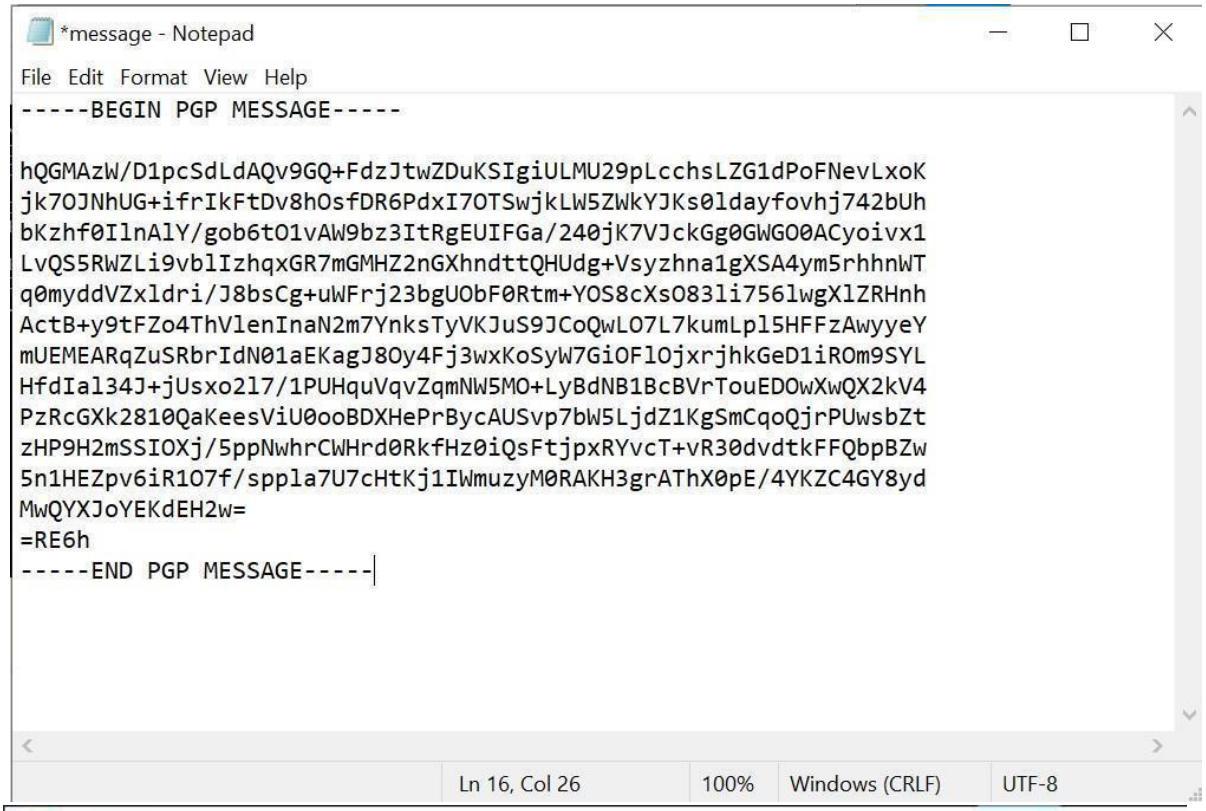
Certificate page

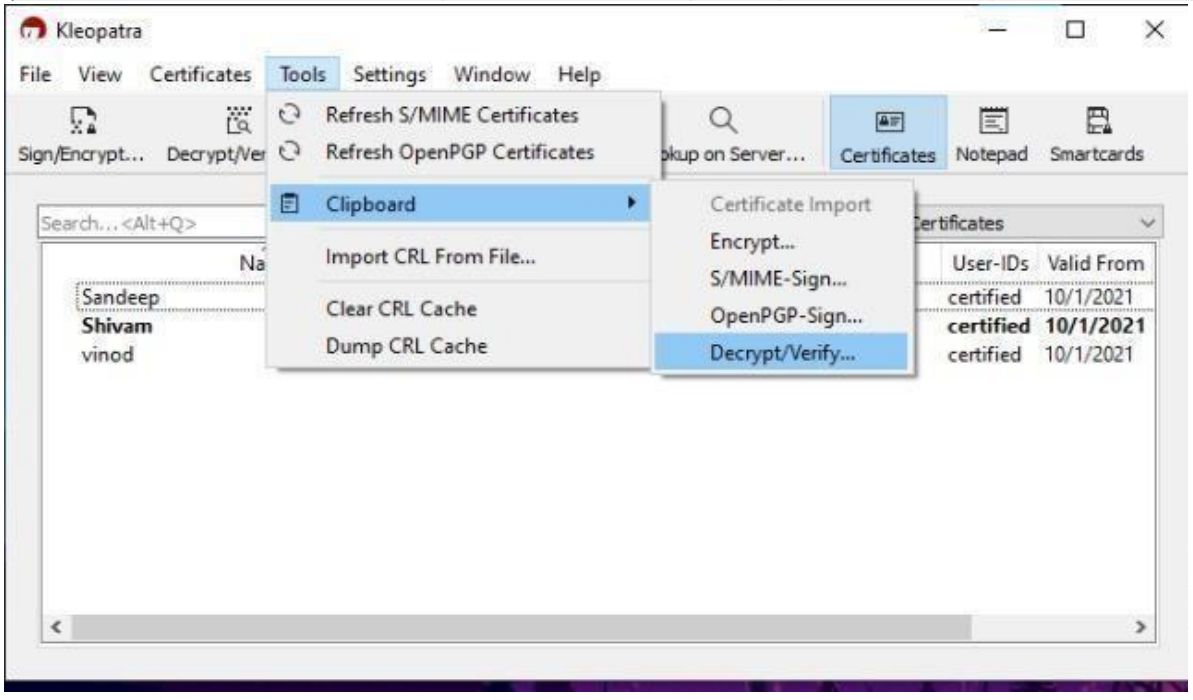



Kleopatra
File View Certificates Tools Settings Window Help
Sign/Encrypt... Decrypt/Verify... Import... Export... Certify... Lookup on Server... Certificates Notepad Smartcards
Search...<Alt+Q>
All Certificates
Name E-Mail User-IDs Valid From Valid Until Key-ID
Sandeep sandeeprsahani@gmail.com certified 01-10-20... 01-10-2... 8CD...
Secret Key Export Finished - Kleop...
Secret key successfully exported.
OK

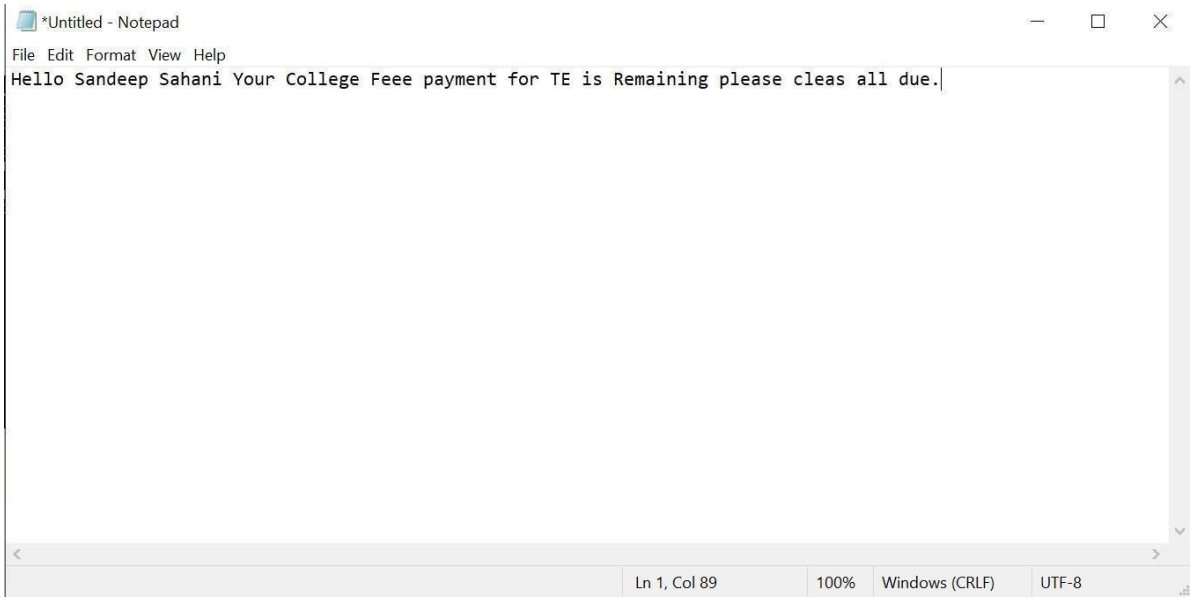

Kleopatra
File View Certificates Tools Settings Window Help
Sign/Encrypt... Decrypt/Verify... Import... Export... Certify... Lookup on Server... Certificates Notepad Smartcards
Search...<Alt+Q>
All Certificates
All Certificates Imported Certificates Imported Certificates
Name E-Mail User-IDs Valid From Valid Until Key-ID
Prarthana prarth@gmail.com not cert... 01-10-2021 01-10-2023 968D 4D98 64B7 94F7
Sandeep sandeeprsahani@gmail.com certified 01-10-2021 01-10-2023 8CDE D101 354F B72E
Shivam sgyadav454@gmail.com certified 01-10-2021 01-10-2023 DB60 3283 B0C8 B703

Message from Friend:

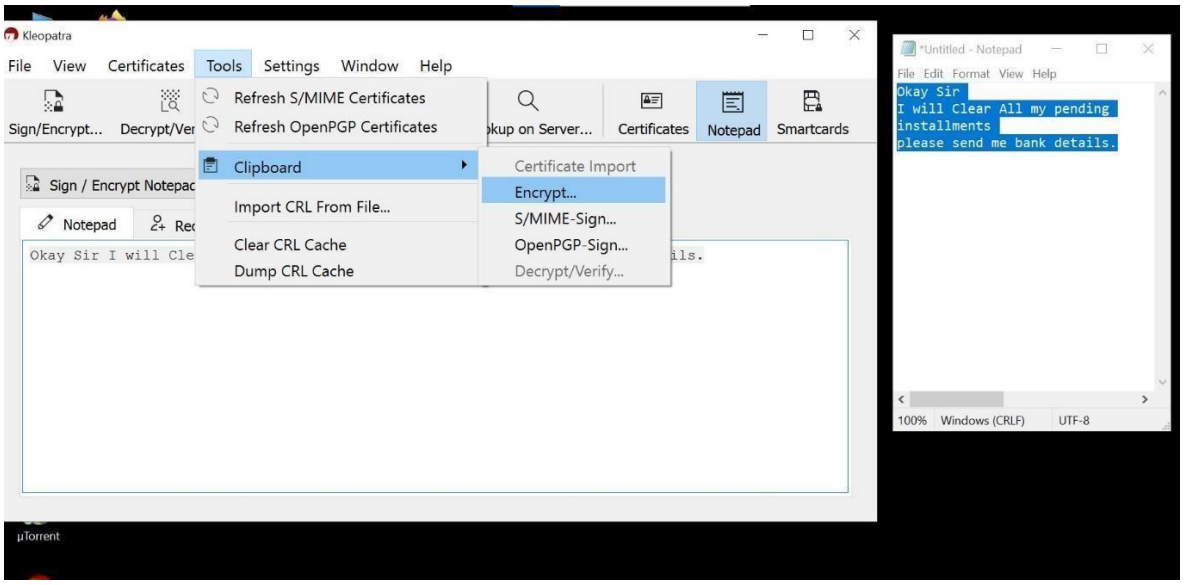


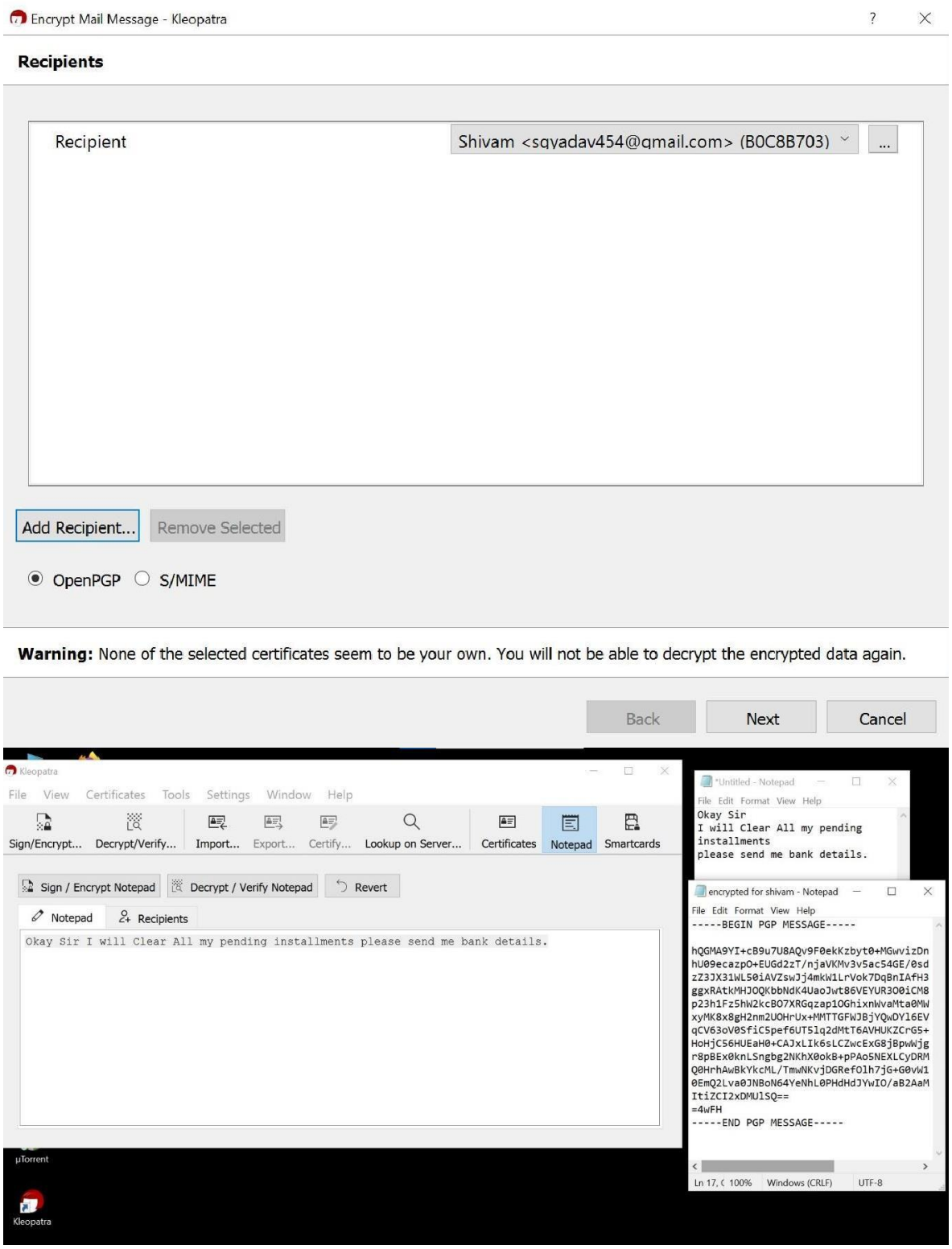


Decription of Friends Message:

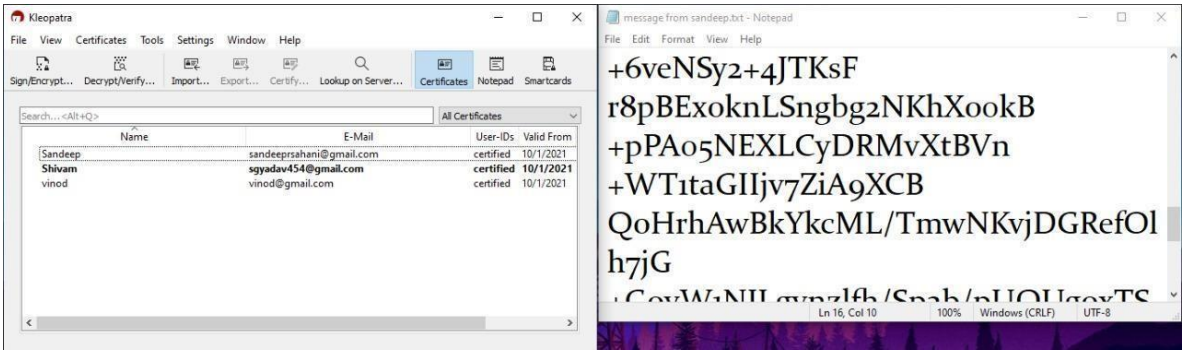


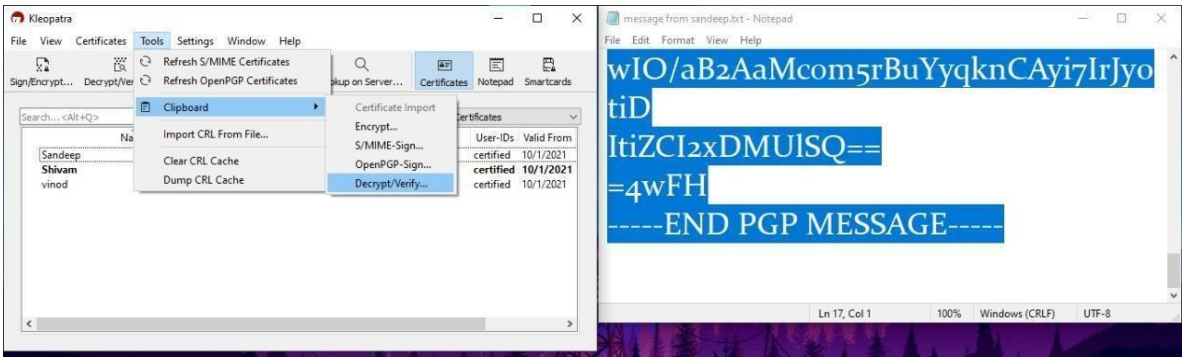
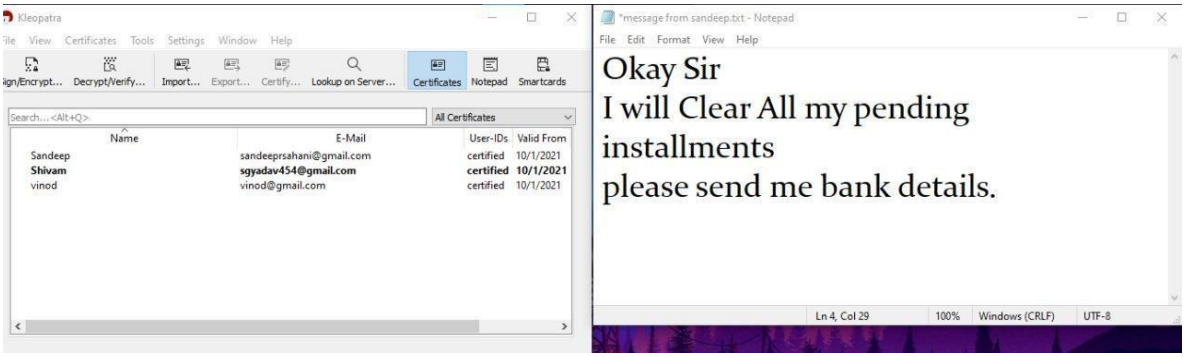
Encripting Message for Friend:





Decryption From Friends End:





Decrypted by Friend: