

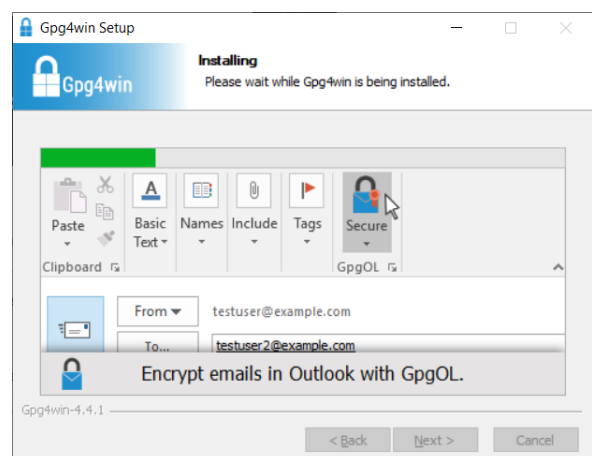
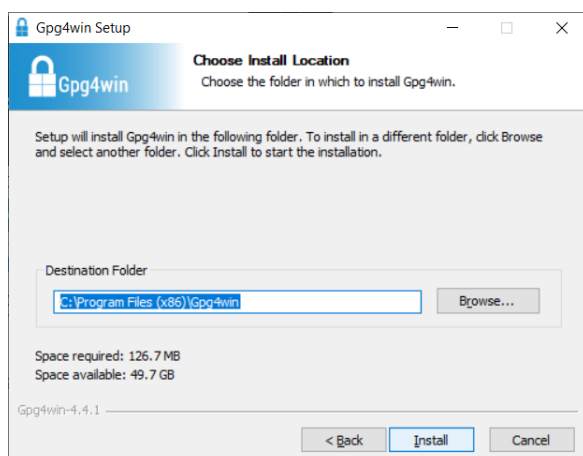
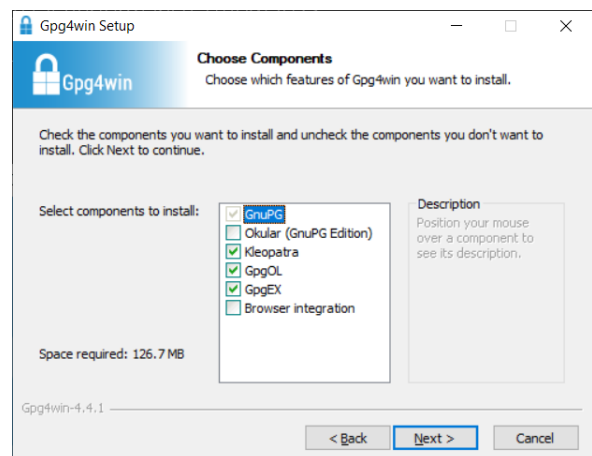
Name: Abdurrahman Qureshi

Roll No: 242466

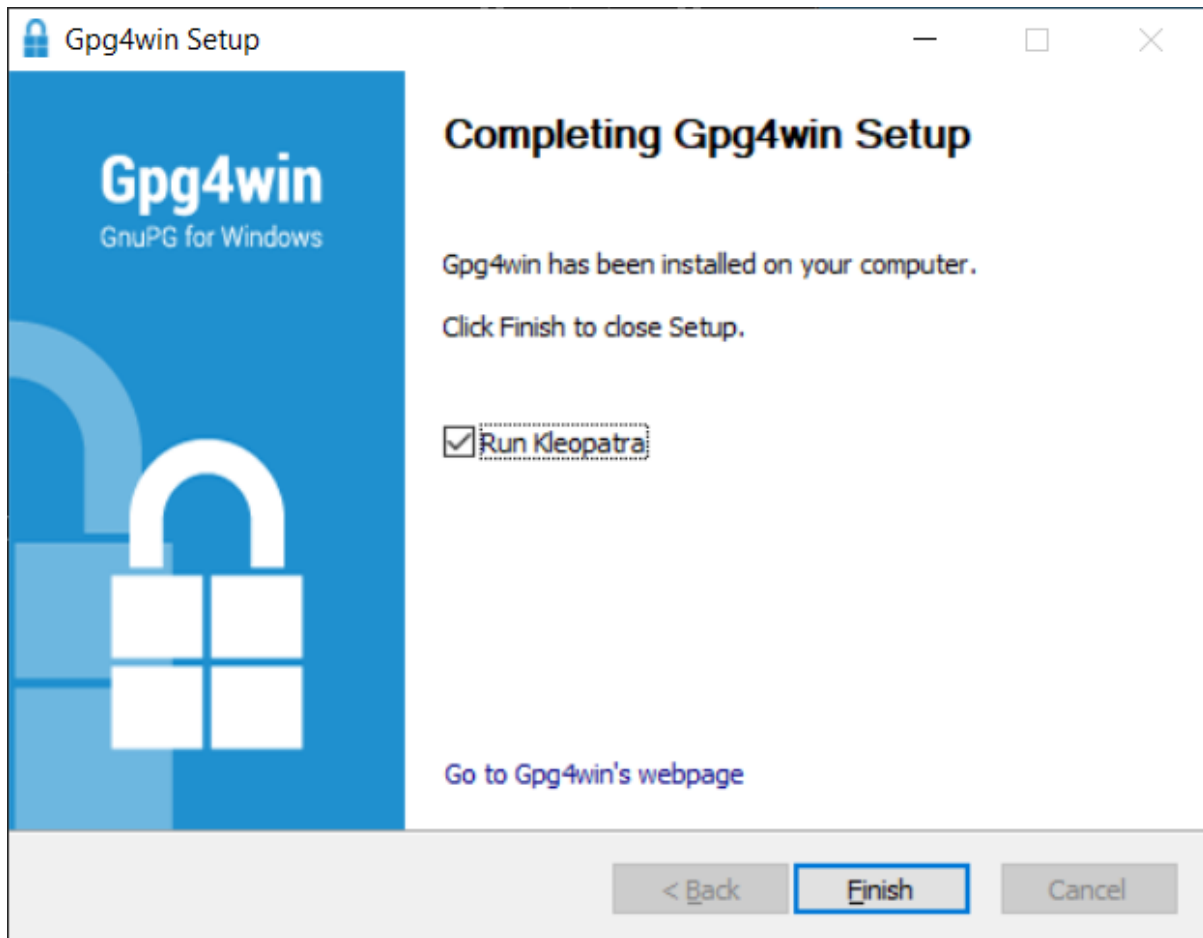
Assignment No: 2

Date Of Performance: 22/09/2025

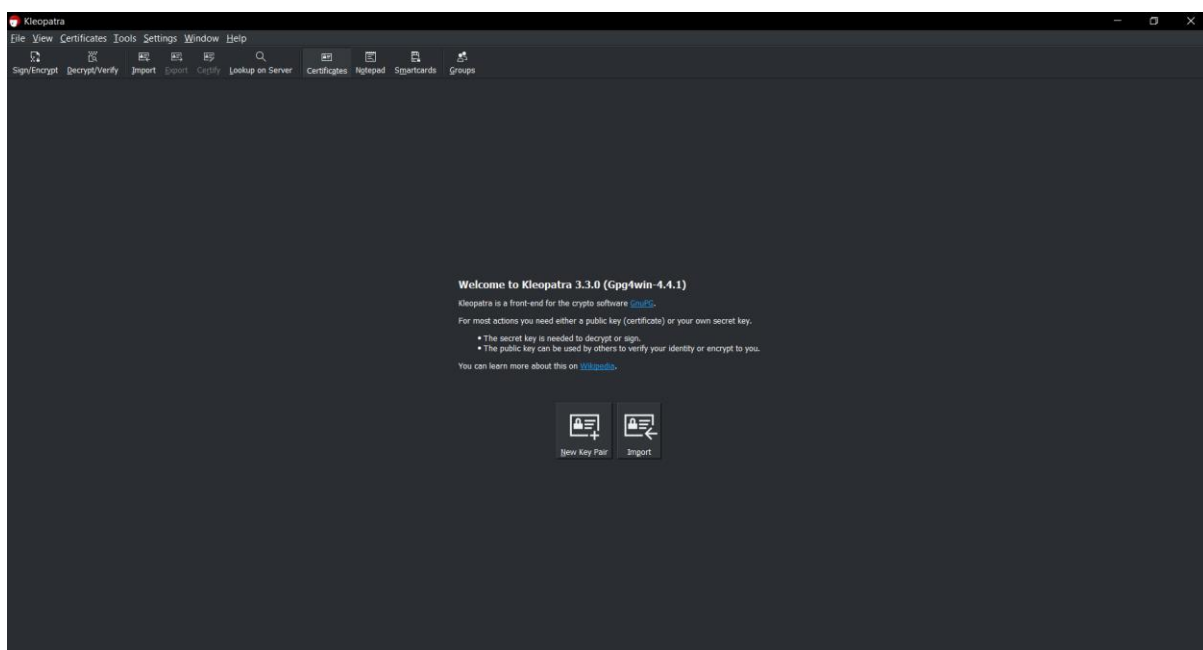
Aim: Use the GPG tool to implement email security



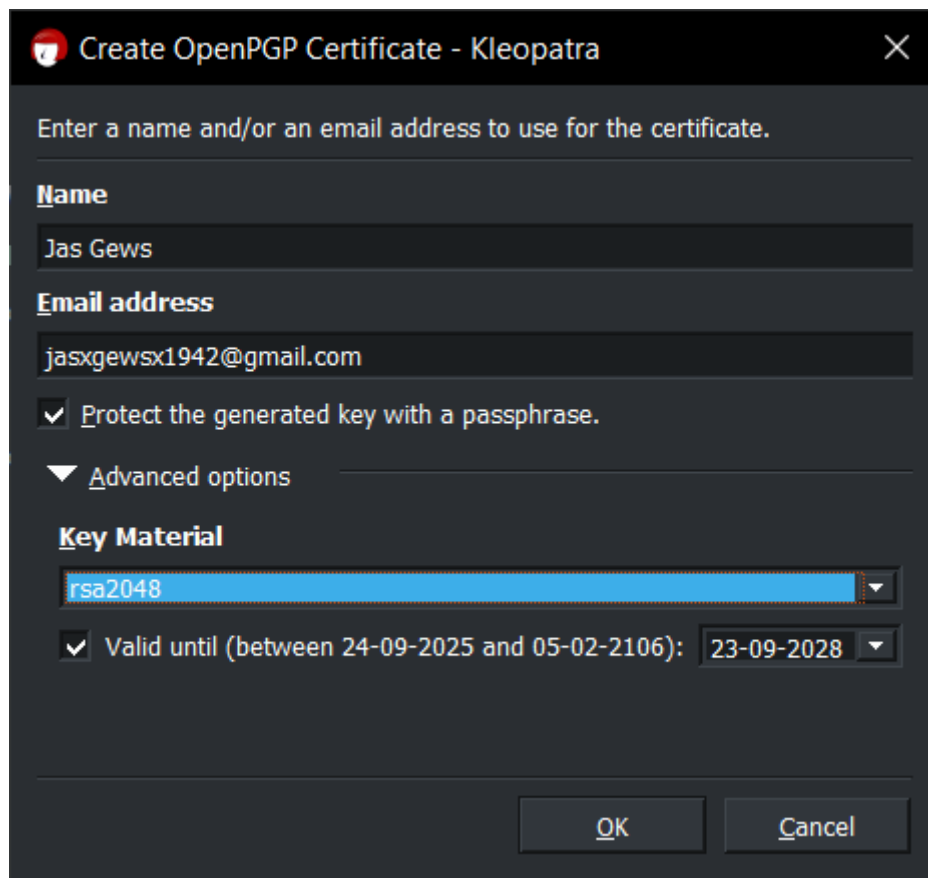
Instaling GPG tool



Install Complete



Dashboard of GPG



Create OpenPGP Certificate - Kleopatra

Enter a name and/or an email address to use for the certificate.

Name
Jas Gews

Email address
jasxgewsx1942@gmail.com

☒ Protect the generated key with a passphrase.

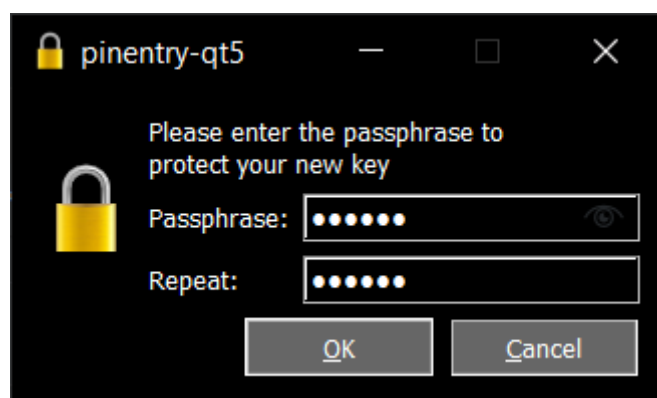
▼ **Advanced options**

Key Material
rsa2048

☒ Valid until (between 24-09-2025 and 05-02-2106): 23-09-2028

OK Cancel

Creating user 'Jas Gews'



pinentry-qt5

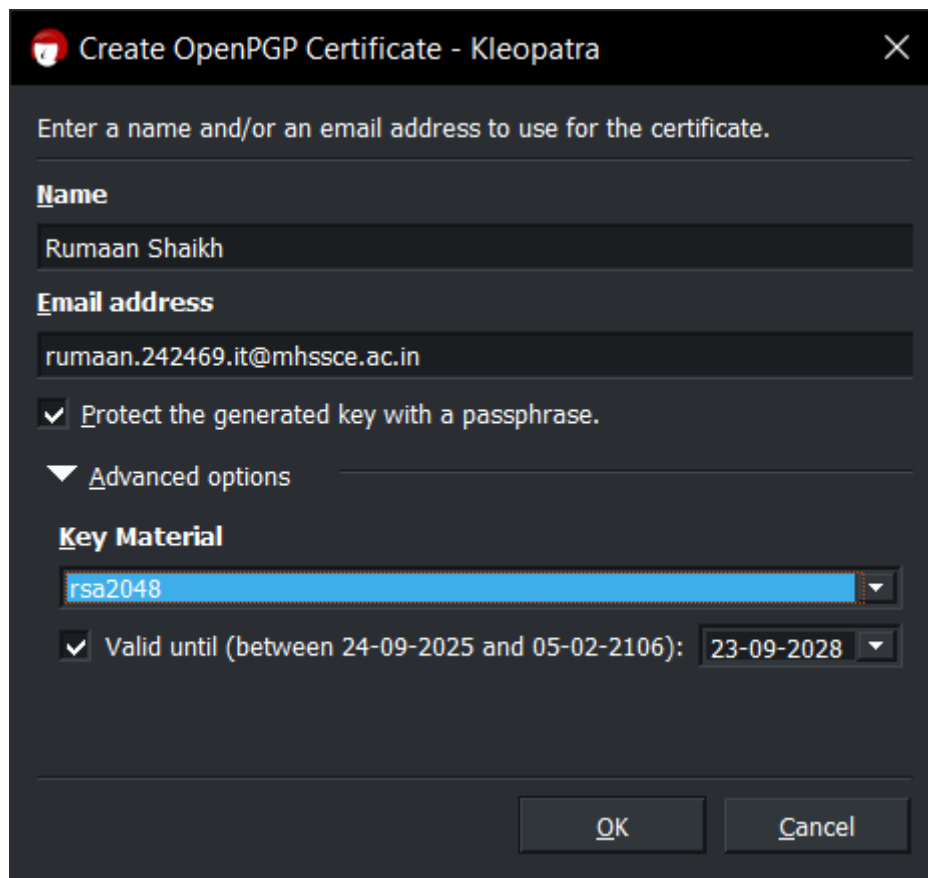
Please enter the passphrase to protect your new key

Passphrase: [masked]

Repeat: [masked]

OK Cancel

Creating password for 'Jas Gews'



Create OpenPGP Certificate - Kleopatra

Enter a name and/or an email address to use for the certificate.

Name
Rumaan Shaikh

Email address
rumaan.242469.it@mhssce.ac.in

☒ Protect the generated key with a passphrase.

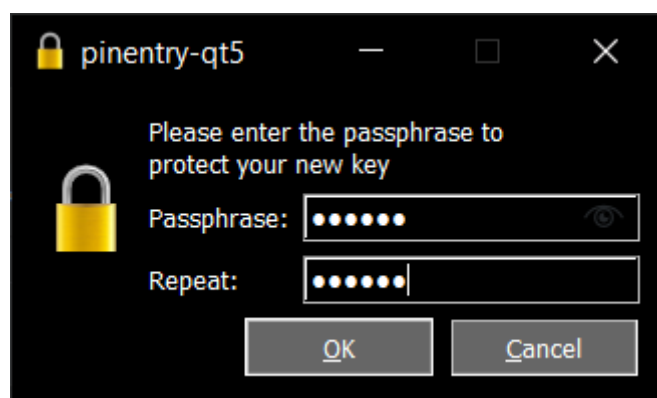
▼ **Advanced options**

Key Material
rsa2048

☒ Valid until (between 24-09-2025 and 05-02-2106): 23-09-2028

OK Cancel

Creating user 'Rumaan Shaikh'



pinentry-qt5

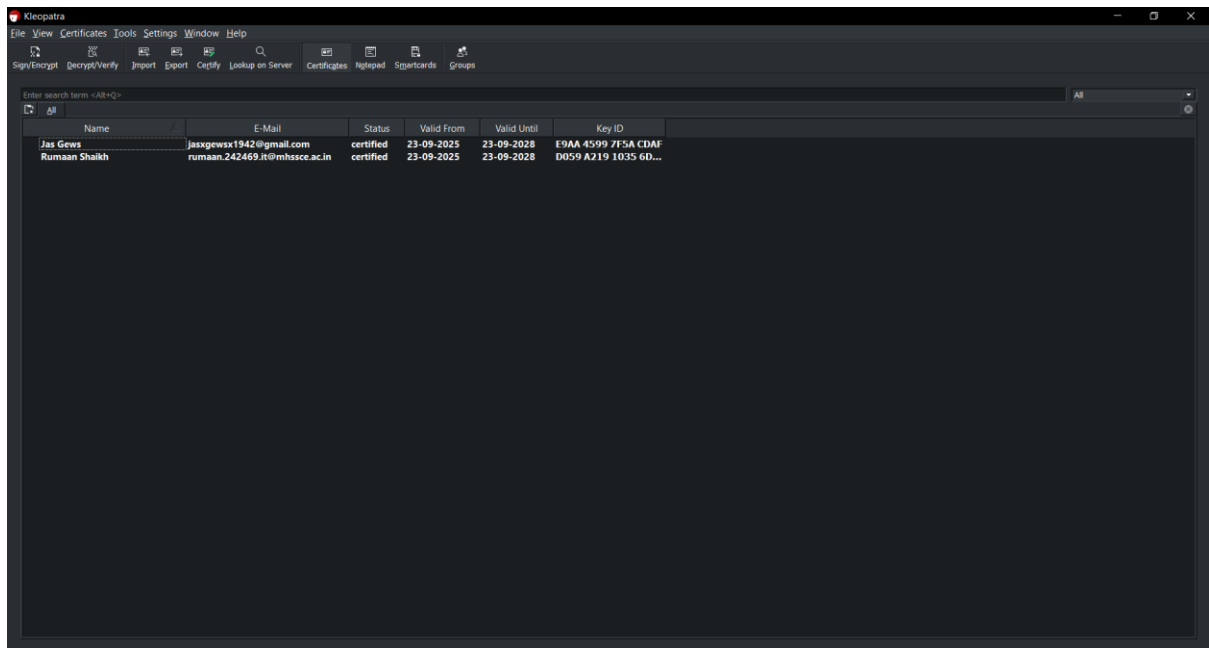
Please enter the passphrase to protect your new key

Passphrase: ●●●●●

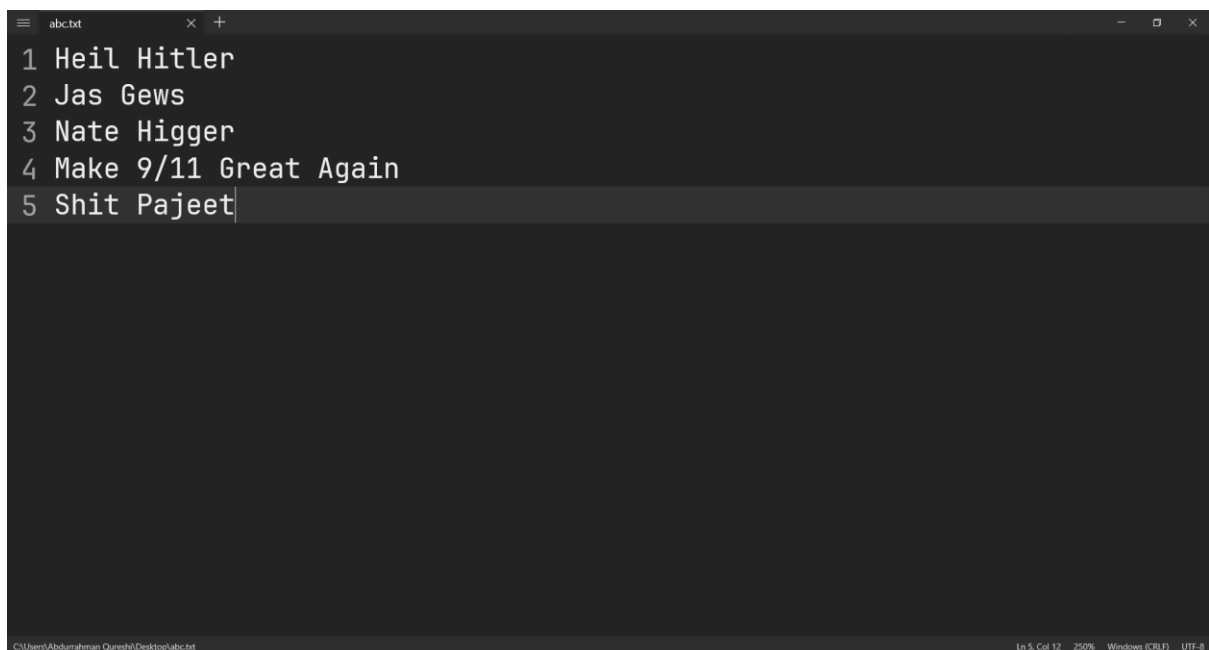
Repeat: ●●●●●

OK Cancel

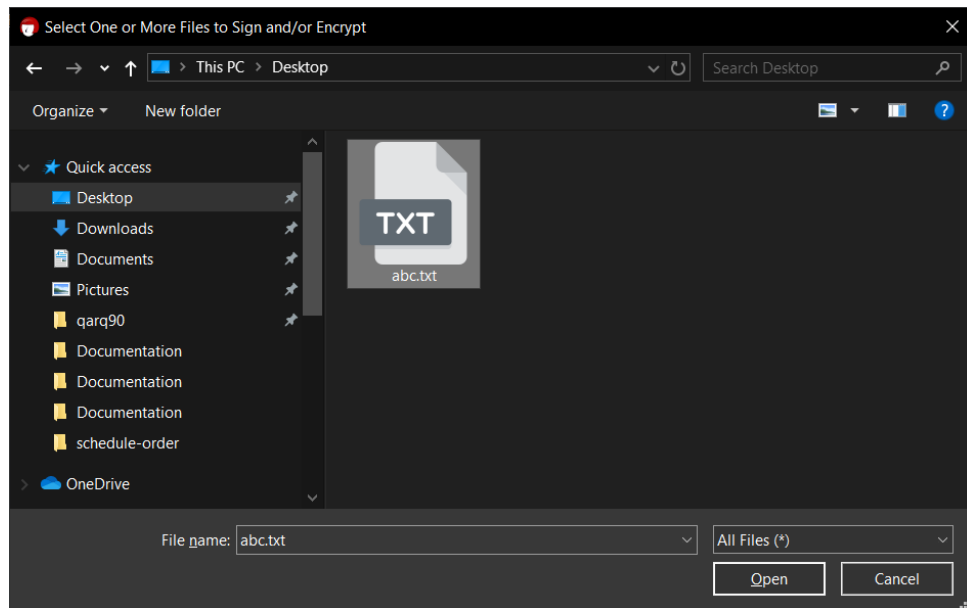
Creating password for 'Rumaan Shaikh'



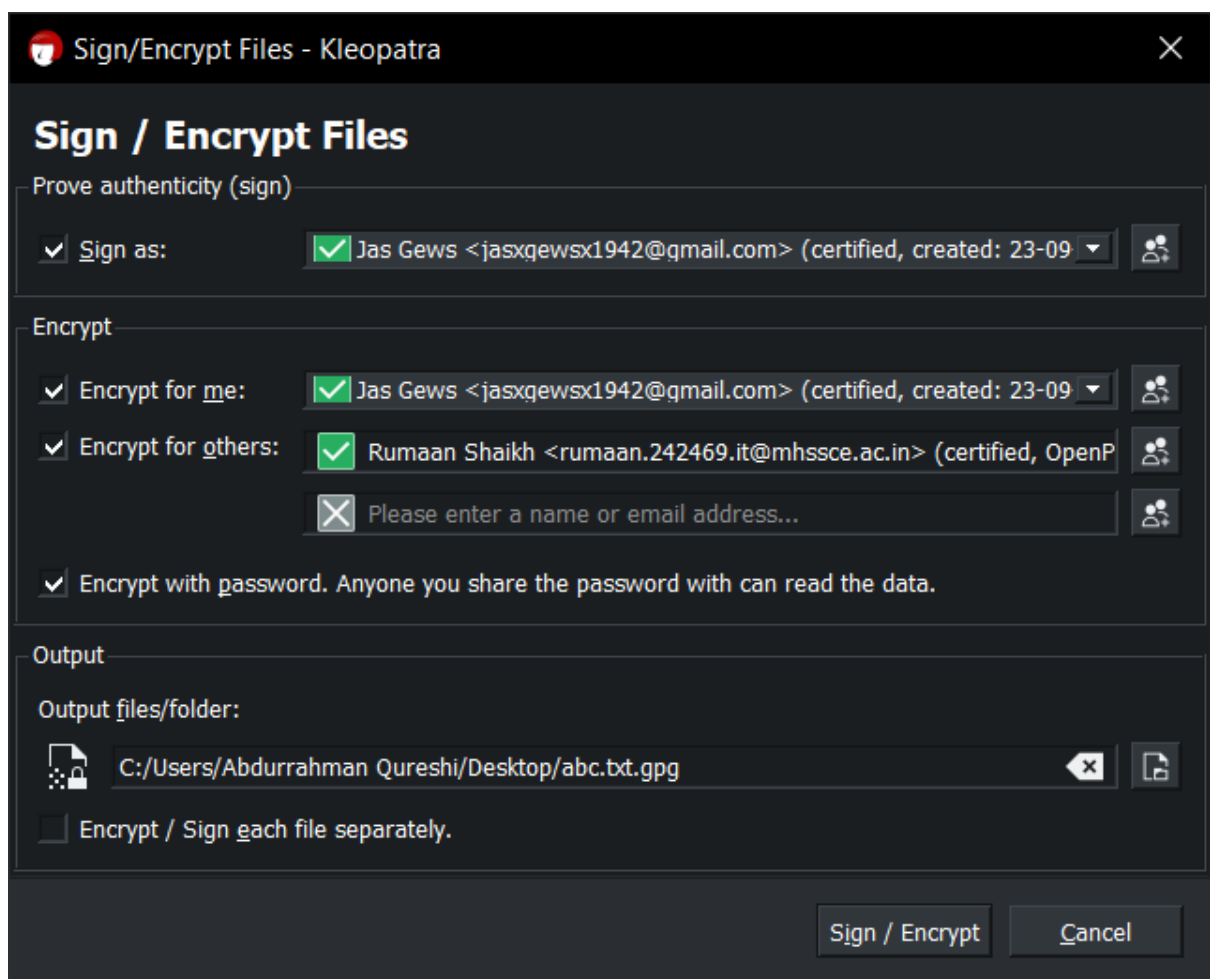
Users created



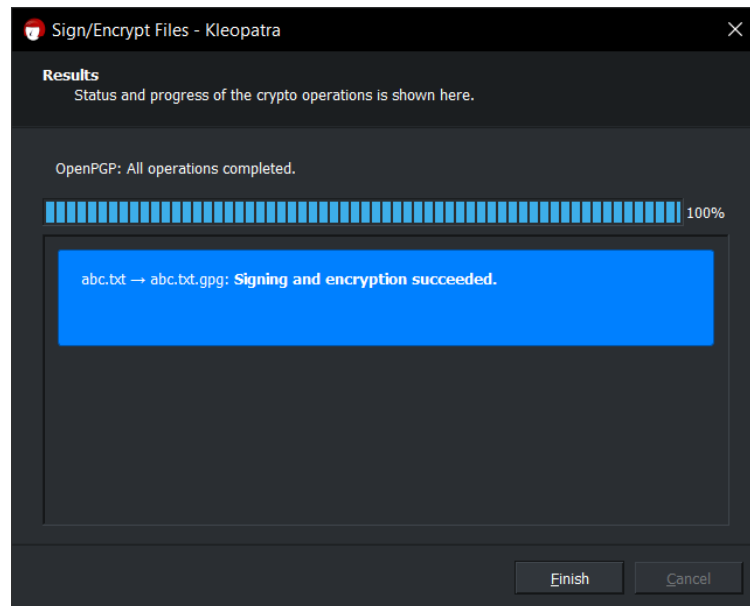
Sample file to encrypt



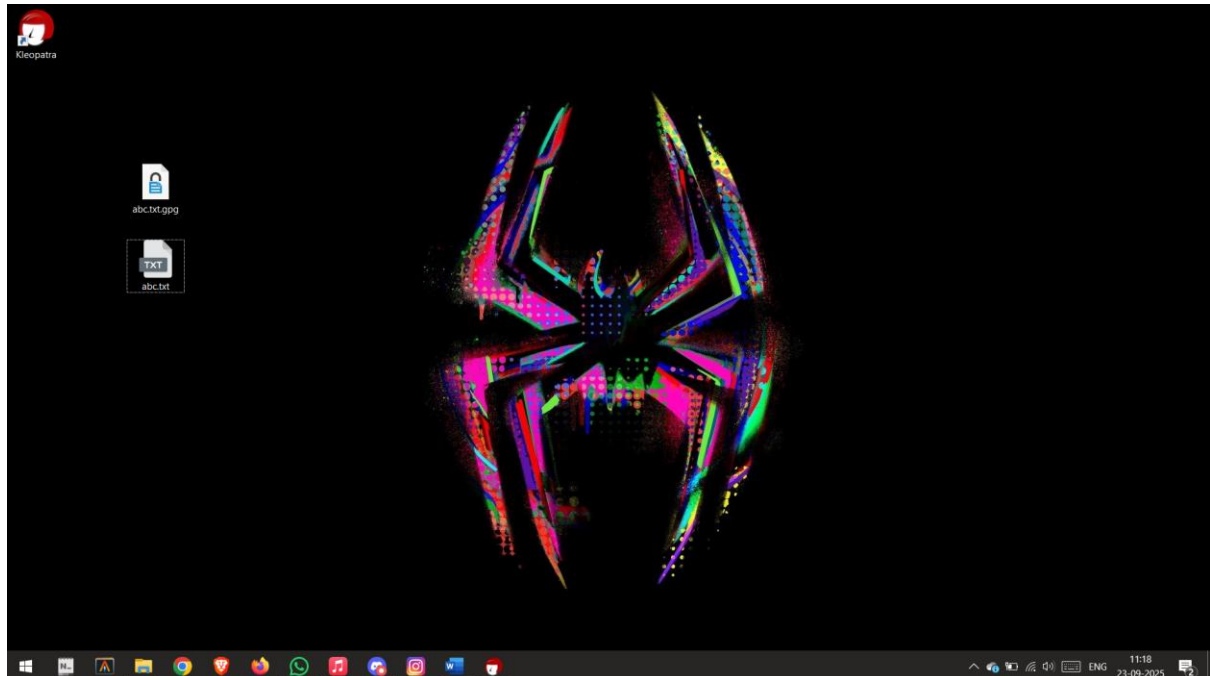
Selecting file to encrypt



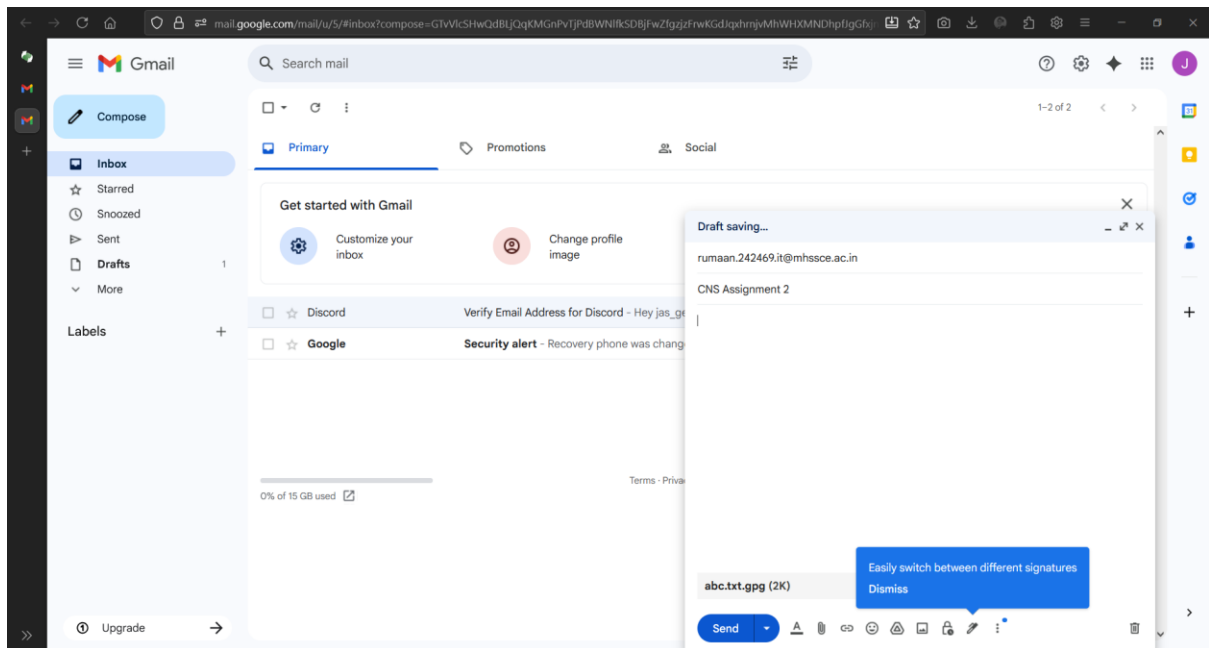
Configuring Settings



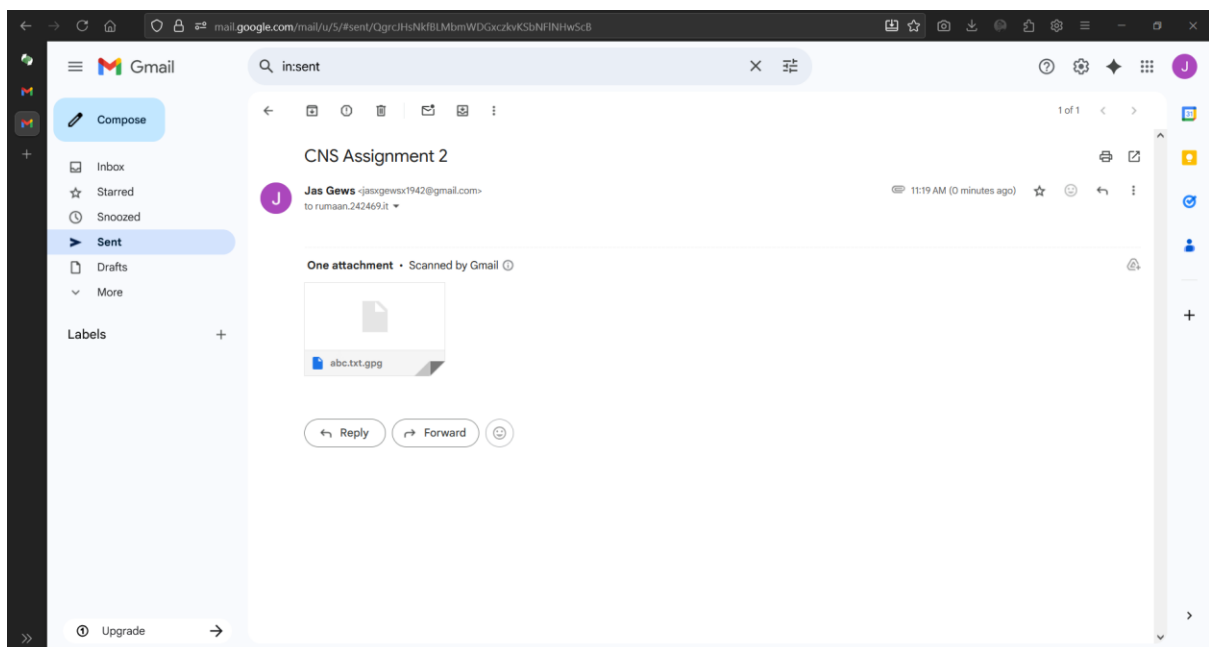
File encrypted



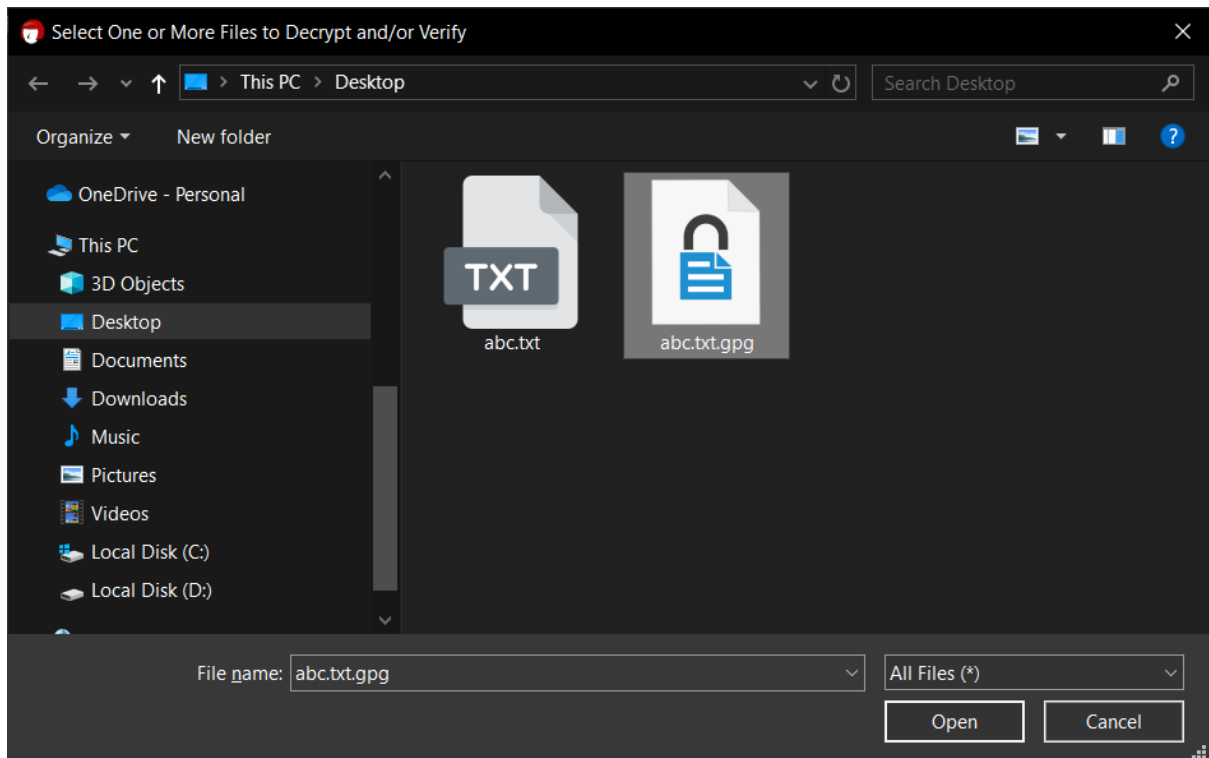
Encrypted file created



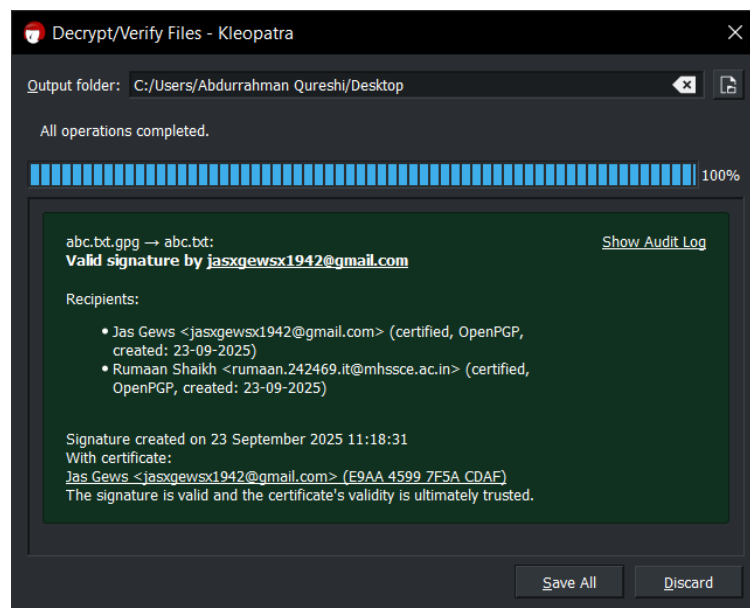
Sending file



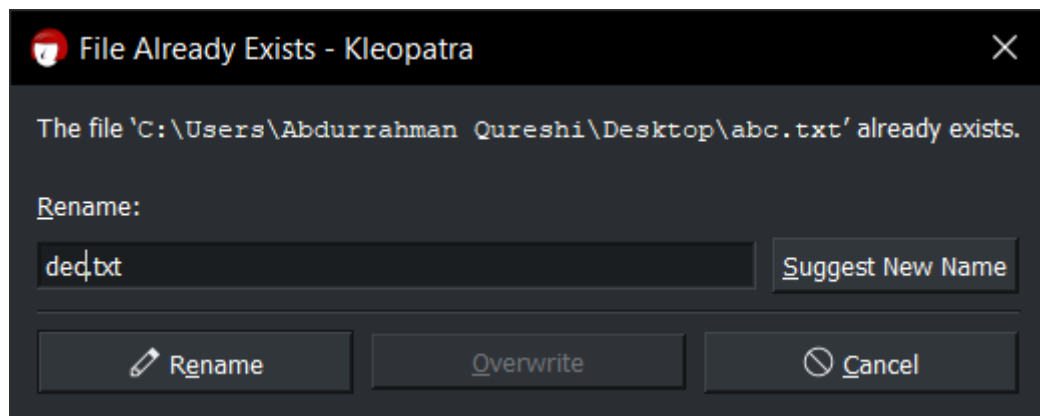
Email sent



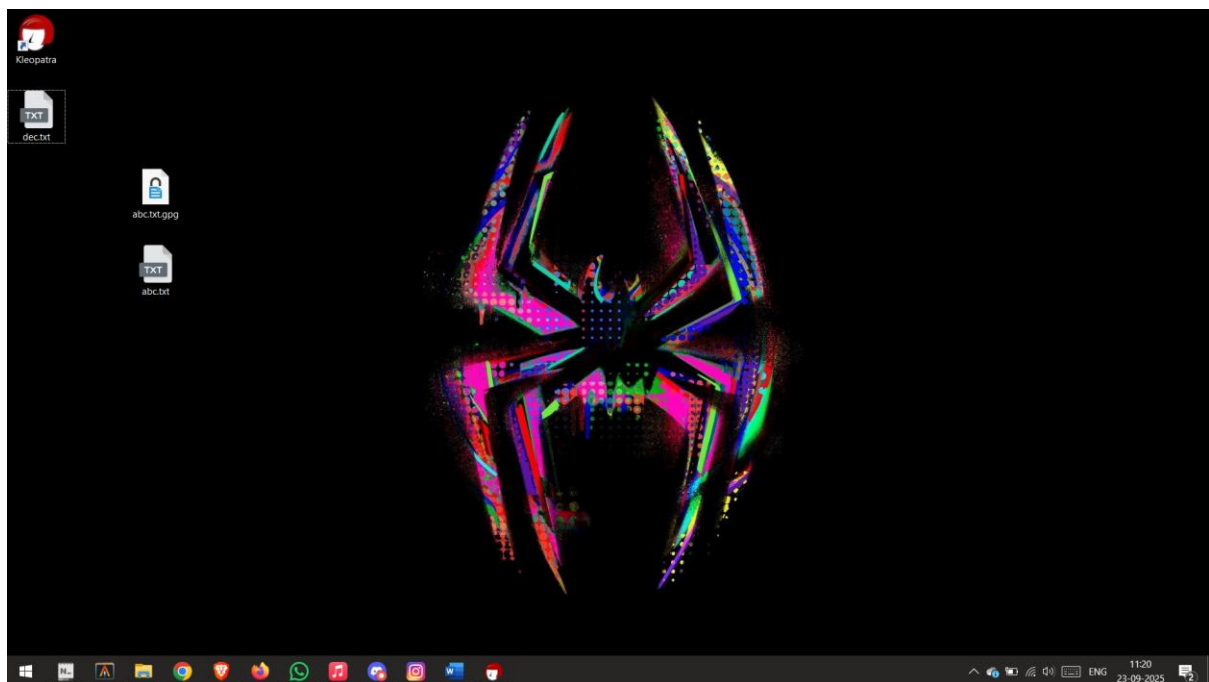
Decrypting the received file



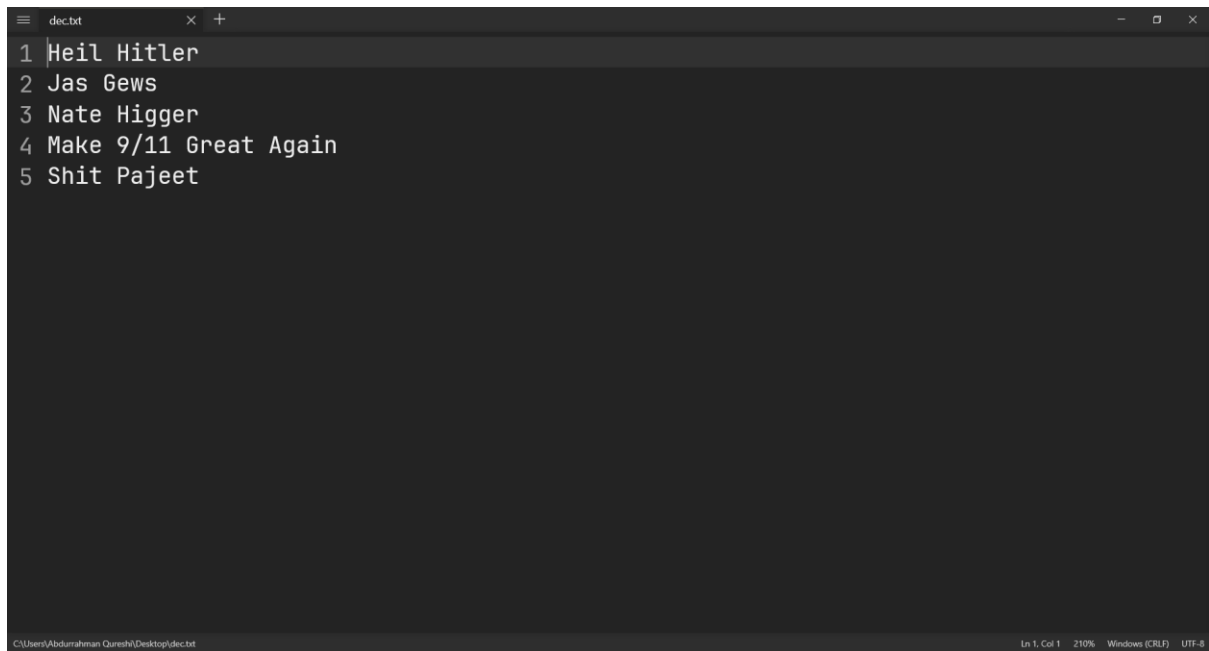
File decrypted



Giving name to decrypted file



File Decrypted and saved

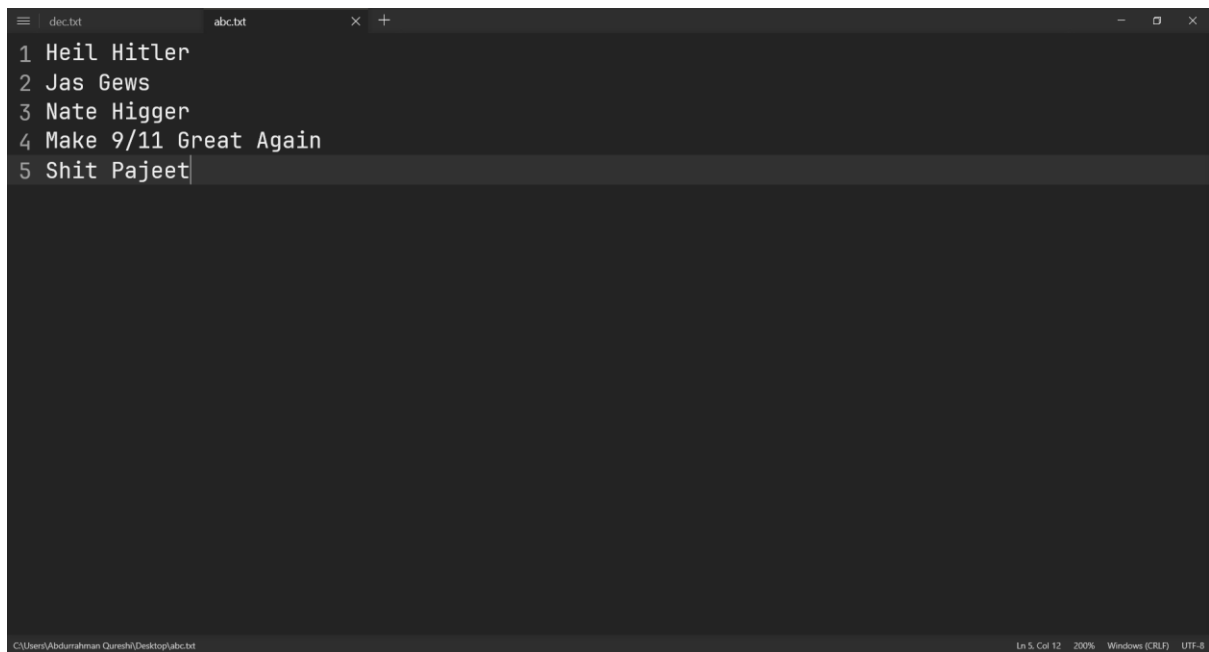


A screenshot of a text editor window titled 'dec.txt'. The window contains five lines of text, each preceded by a number from 1 to 5. The text is as follows:

```
1 Heil Hitler
2 Jas Gews
3 Nate Higger
4 Make 9/11 Great Again
5 Shit Pajeet
```

The status bar at the bottom indicates the file path 'C:\Users\Abdumrahman Qureshi\Desktop\dec.txt', the cursor position 'Ln 1, Col 1', the zoom level '210%', the encoding 'Windows (CR/LF)', and the character set 'UTF-8'.

Decrypted Content



A screenshot of a text editor window titled 'dec.txt' and 'abc.txt'. The window contains five lines of text, each preceded by a number from 1 to 5. The text is as follows:

```
1 Heil Hitler
2 Jas Gews
3 Nate Higger
4 Make 9/11 Great Again
5 Shit Pajeet
```

The status bar at the bottom indicates the file path 'C:\Users\Abdumrahman Qureshi\Desktop\abc.txt', the cursor position 'Ln 5, Col 12', the zoom level '200%', the encoding 'Windows (CR/LF)', and the character set 'UTF-8'.

Encrypted Content