

- ❑ **Name:** -Janhavi Sanjay Patil
- ❑ **Roll no:** - 96
- ❑ **Practical no:** - 2
- ❑ **Practical name:** - Create a PGP secure message and use it in email.
- ❑ **Performed on:** - 30/07/24

.....

Steps: -

Step 1: - Visit the web <https://www.javainuse.com/pgpgenerator> . A homepage will appear of the web. For generations of public and private key select the key size. Enter all necessary info such as -

- Sender's Email id and user id and
- Receiver's Email id and user id.

Then click on the generate keys button.

Online PGP Encryption, Decrypt

javainuse.com/pgpgenerator

Home Java Spring Angular Full Stack Apache Camel Cloud Frameworks Messaging Dtools Search Engine Hazelcast DevOps Webseries Crypto Tools

Pretty Good Privacy (PGP) is an encryption system used for both sending encrypted emails and encrypting sensitive files. Since its invention back in 1991, PGP has become the de facto standard for email security. It is often used to encrypt and decrypt texts, emails, and files to increase the security of emails. PGP encryption uses a mix of data compression, hashing, and public-key cryptography. It also uses symmetric and asymmetric keys to encrypt data that is transferred across networks. It combines features of private and public key cryptography. Each step uses a different algorithm, and each public key is associated with a username and an email address

PGP Generate Keys

This tool generates Pretty Good Privacy (PGP) public key as well as the private key of sizes - 512 bit, 1024 bit, 2048 bit for both the sender and the receiver.

Key Size: 2048

Sender Email Id: abc@gmail.com Receiver Email Id: pqr@gmail.com

Sender User Id: PNR Receiver User Id: PR

Sender Comment: Hello Receiver Comment: Ok

Sender Public Key Receiver Public Key

This site uses cookies to deliver our services and to show you relevant ads. By continuing to visit this site you agree to our use of cookies. [Learn more](#)

Search ENG IN 17:47 02-08-2024

Step 2: - Enter your message in the box having heading as Enter Plain text to encrypt. Click on Encrypt button.

PGP Encryption

Enter Plain Text to Encrypt - Good Morning !! This is the demo of PGP Email security

The String which is to be encrypted using PGP Encryption

Sender Mail Id abc@gmail.com

The sender email id which was used during key creation and will be used for PGP Encryption

Sender Comment Hello

The sender comment which was used during key creation and will be used for PGP Encryption

Enter Sender Public key -----BEGIN PGP PUBLIC KEY BLOCK-----
Version: BCPG v1.59
mQENBGasz7YDCACFv39aK1+ChDCnWj33h1RsQZ/b671YwSwPmF

The generated sender public key which we generated above in Key Generation will be used for PGP Encryption

This site uses cookies to deliver our services and to show you relevant ads. By continuing to visit this site you agree to our use of cookies. [Learn more](#)

Step 3: - Copy the encrypted message and go into PGP Decryption section. Paste the message into the box which have heading “Enter Encrypted text to Decrypt”.

PGP Decryption

Enter Encrypted Text to Decrypt - JCDn86UvOGHm
IBw4vliq5DO5xH67aBd9HbFY1b+0gXcbcx6TcQ10QPwlyHlnzrG+KS
c52Suo5v5B
da1apXzKdY1hx4OPrJfPI3MTR3i8VJcsy+2GlsBuD4biBMmang4vT
c0A63Qv/Z

The PGP Encrypted String which we want to decrypt

Enter Receiver Comment Hello

The receiver comment which was used during key creation and will be used for PGP Decryption

Receiver Public key -----BEGIN PGP PUBLIC KEY BLOCK-----
Version: BCPG v1.59
mQENBGasz7YDCACFv39aK1+ChDCnWj33h1RsQZ/b671YwSwPmF

The generated receiver public key which we generated above in Key Generation will be used for PGP Decryption

Receiver Private key -----BEGIN PGP PRIVATE KEY BLOCK-----
Version: BCPG v1.59
lOPGBasz7cDCACXw0FT10OU1+eknyTHiGid712n/70fy7X0Zr7vH11e1

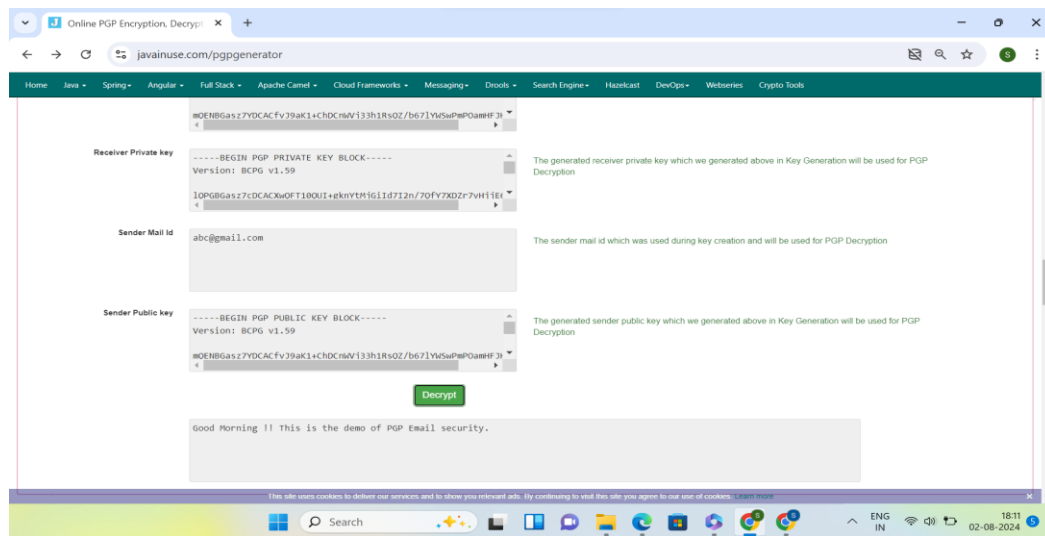
The generated receiver private key which we generated above in Key Generation will be used for PGP Decryption

Sender Mail Id abc@gmail.com

The sender mail id which was used during key creation and will be used for PGP Decryption

This site uses cookies to deliver our services and to show you relevant ads. By continuing to visit this site you agree to our use of cookies. [Learn more](#)

Step 4: - Click on decrypt message button.



The decrypted message will appear at the bottom of the decrypt button.