

CSS GPG Tool: Installing and listing secret keys:

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Activities Terminal Apr 6 09:12
student@student-ThinkCentre-M70t: ~

student@student-ThinkCentre-M70t:~$ sudo apt install gpg
[sudo] password for student:
Reading package lists... Done
Building dependency tree
Reading state information... Done
gpg is already the newest version (2.2.19-3ubuntu2.2).
0 upgraded, 0 newly installed, 0 to remove and 147 not upgraded.
student@student-ThinkCentre-M70t:~$ gpg --list-secret-keys
/home/student/.gnupg/pubring.kbx
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sec   rsa3072 2023-02-06 [SC] [expires: 2024-02-06]
      1A1FF5F86F84D4A885D35347B07AFE01B82D3E16
uid   [ultimate] Shubham Gupta (Hey there It is my css experiment 3) <iamguptashubham@gmail.com>
ssb   rsa3072 2023-02-06 [E] [expires: 2024-02-06]

sec   rsa3072 2023-02-10 [SC] [expires: 2024-02-10]
      0719F239331B263207312B4F1BE50370A1D336C4
uid   [ultimate] nishchay (hello) <2020.nishchay.rajpal@ves.ac.in>
ssb   rsa3072 2023-02-10 [E] [expires: 2024-02-10]

sec   rsa3072 2023-02-27 [SC] [expires: 2025-02-26]
      A6B67C19E2ECB064AE97F96F681EAE9F09E01CE5
uid   [ultimate] Siya Doshi (css exp 8) <2020.siya.doshi@ves.ac.in>
ssb   rsa3072 2023-02-27 [E] [expires: 2025-02-26]

sec   rsa4096 2023-03-28 [SCEA]
      57F93E7EADCA30F935F66F98B5E8D2F2A14E2D01
uid   [ultimate] Pushkaraj Baradkar (D12B) <2020.pushkaraj.baradkar@ves.ac.in>

sec   rsa1056 2023-03-31 [SC] [expires: 2023-04-30]
      19AA65AC499B1D42A9AD9FDF92E94F84FD9D8E65
uid   [ultimate] arr2601 ("At the end its all about money") <mixiwej442@dogemn.com>
ssb   rsa1056 2023-03-31 [E] [expires: 2023-04-30]

sec   rsa3072 2023-04-03 [SC]
      D86A51D9DEAD29A7C9C3D405666CF91798A68E1
uid   [ultimate] Aryan Motwani (comments) <mixiwej442@dogemn.com>
ssb   rsa3072 2023-04-03 [E]
```

Listing public keys:

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Activities Terminal Apr 6 09:14
student@student-ThinkCentre-M70t: ~

ssb   rsa3072 2023-04-03 [E]

student@student-ThinkCentre-M70t:~$ gpg --list-public-keys
/home/student/.gnupg/pubring.kbx
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pub   rsa3072 2023-02-06 [SC] [expires: 2024-02-06]
      1A1FF5F86F84D4A885D35347B07AFE01B82D3E16
uid   [ultimate] Shubham Gupta (Hey there It is my css experiment 3) <iamguptashubham@gmail.com>
sub   rsa3072 2023-02-06 [E] [expires: 2024-02-06]

pub   rsa3072 2023-02-06 [SC] [expired: 2023-02-06]
      7E26912279979F35177DFF25F5236E0AB9CD0A9
uid   [ expired] Aditya Mundas <2020.aditya.mundas@ves.ac.in>

pub   rsa3072 2023-02-06 [SC] [expires: 2024-02-06]
      32A906F2811E3F6675E1FB00F07494FD9A432386
uid   [ full ] Chirag Dodeja (Hey, This is my CSS Experiment No 8) <dodejachirag2310@gmail.com>
sub   rsa3072 2023-02-06 [E] [expires: 2024-02-06]

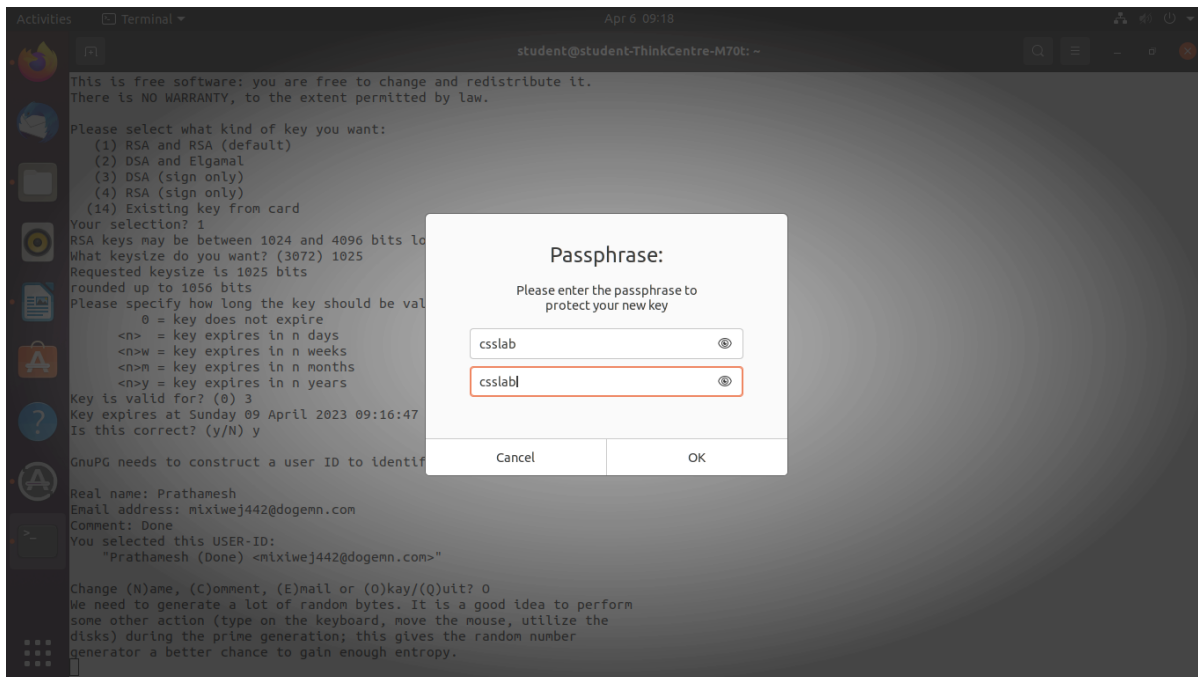
pub   rsa3072 2023-02-10 [SC] [expires: 2024-02-10]
      0719F239331B263207312B4F1BE50370A1D336C4
uid   [ultimate] nishchay (hello) <2020.nishchay.rajpal@ves.ac.in>
sub   rsa3072 2023-02-10 [E] [expires: 2024-02-10]

pub   rsa3072 2023-02-27 [SC] [expires: 2025-02-26]
      A6B67C19E2ECB064AE97F96F681EAE9F09E01CE5
uid   [ultimate] Siya Doshi (css exp 8) <2020.siya.doshi@ves.ac.in>
sub   rsa3072 2023-02-27 [E] [expires: 2025-02-26]

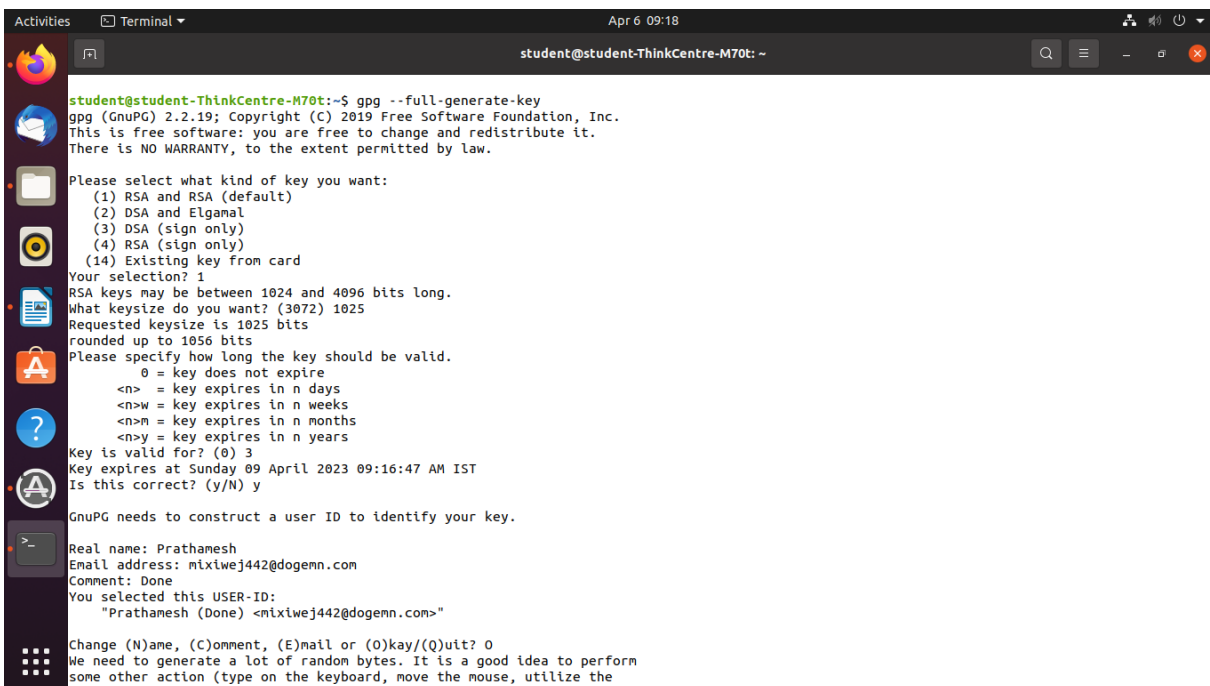
pub   rsa3072 2023-02-27 [SC] [expires: 2025-02-26]
      FCB7A2DC44FF3A7DE7B0DAE3E7F2CC412635FF23
uid   [ full ] Navin Idnani (css exp8) <2020.navin.idnani@ves.ac.in>
sub   rsa3072 2023-02-27 [E] [expires: 2025-02-26]

pub   rsa4096 2023-03-28 [SCEA]
      57F93E7EADCA30F935F66F98B5E8D2F2A14E2D01
uid   [ultimate] Pushkaraj Baradkar (D12B) <2020.pushkaraj.baradkar@ves.ac.in>
```

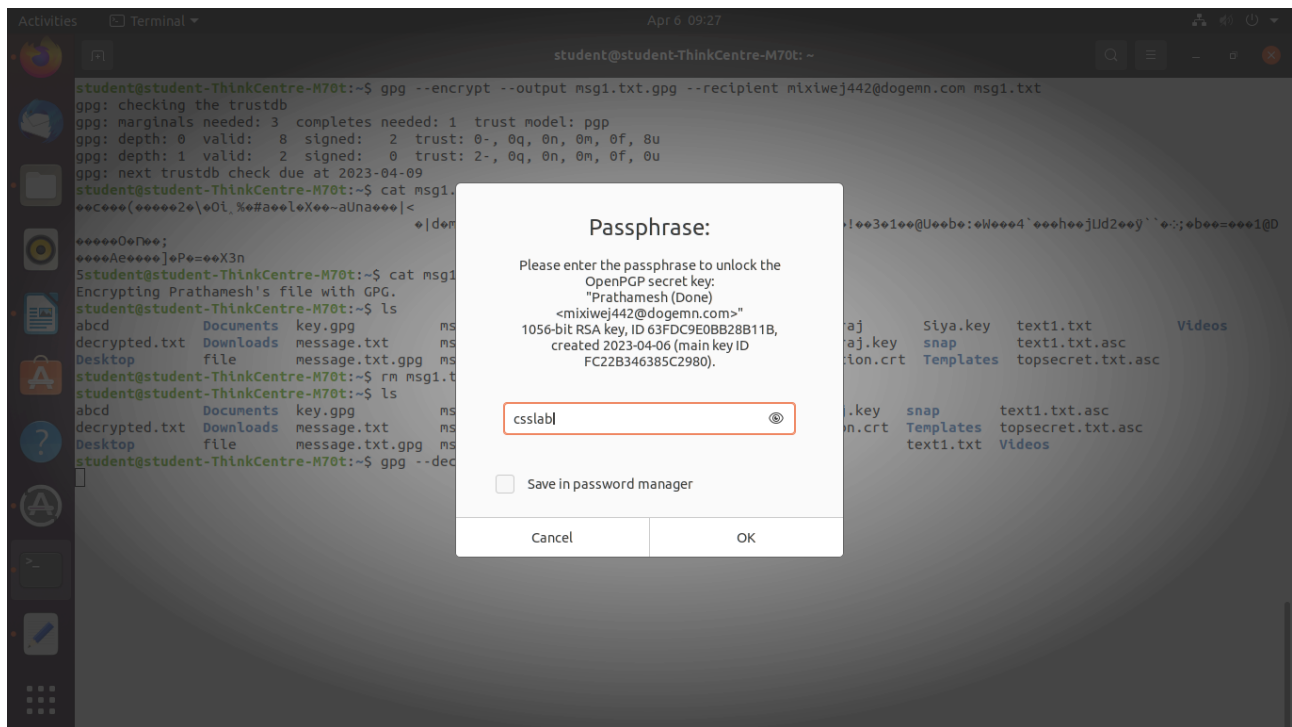
Entering and setting passphrase for file encryption:



Generating a new RSA key:



Entering passphrase for decryption:



Encrypted and decrypted commands output:

