

## SSH Encryption and Decryption

[illegible]

```
codepath@idx-cyb101-idx-1742096851850:~$ openssl pkeyutl -decrypt -inkey ~/.ssh/privatekey.pem -in secret.txt.encrypted -out secret.txt.decrypted
codepath@idx-cyb101-idx-1742096851850:~$ cat secret.txt.decrypted
My secret code is CHEESE
```

[illegible]

## SSH Git Commit Signing

#### Screenshot #4: The `git commit` command and its' output

```
codepath@idx-cyb101-idx-1742096851850:~/DemoProject$ git commit --allow-empty --message="Did the SSH signing work?"
[master (root-commit) fe288bc] Did the SSH signing work?
```

**Notes** (Optional):

#### Screenshot #5: The `git show --show-signature` command and its' output, showing a successful signature

```
codepath@idx-cyb101-idx-1742096851850:~/DemoProject$ git show --show-signature
commit fe288bc1f227e8aa9a779bf625f71dad480a2815 (HEAD -> master)
Good "git" signature for * with RSA key SHA256:/0L8XIEP4vygzWodTkfNtoCFo0IRQBnRpLo0R5e2mjQ
Author: CYB101NAME <CYB101EMAIL>
Date:   Sun Mar 16 04:11:37 2025 +0000

    Did the SSH signing work?
codepath@idx-cyb101-idx-1742096851850:~/DemoProject$
```

**Notes** (Optional):