



Student Name & Roll number:

Vishal Kumar Maurya	2022580
Subham Maurya	2022510
Wasif Ali	2022583

Project Title: Caesar Cipher Cryptography

Brief Description of Project:

We may encrypt your important files and secure them in a location, and to access that file again it'll require a password which only you know while encrypting it.

And whenever you want you can decrypt the encrypted file by giving the requested password.

Brief Description of source code:

There is a Class made which contains three methods:

- Encryption for file (41 lines)
- Decryption of encrypted file (67 lines)
- Changing passwords (96 lines)

Brief Description of testing and code:

Testing is done for each class and its method one by one and whenever any error occurs, we check on **“python tutor”**, then combining them up to work together.

Code first asks for a file that you want to encrypt and then for a password to secure it, so only authorized access can be made. Encryption method was created by us by giving each character a unique new identification. On providing the security key we will decrypt the file and it'll be back to its original form. You may also change the password of the encrypted file if you wish to.