

How to use the program:

- Gurudatta R K

- For Encryption:

- Before running it make sure this program and all the files that you are going use are in the same folder.
- Run the "1024-bit-security.exe" and then type "1" & hit enter. Let's say u want to encrypt a file called "assignment.pdf".
- You can encrypt it either by using a password or by simply making any other file act as your password (also called as a key file), this key file can have any or no extensions. If you want to use a password write it in text file(.txt) and give that file as a key file to program.
- NOTE: the key file should be at least 128 bytes long. So, if you choose to write your password in a text file then it should be at least 128 characters long.
- Let's say you want to encrypt a file named "assignment.pdf" & you want to use a file called "scenery.png" as your key file.

You can also choose the name of the encrypted file. Let's say you name it "assignment.lock"(you can give any extension you want to or you can leave it without an extension).

- Once you hit enter your "assignment.pdf" is encrypted using the key file "scenery.png" and a new file called "assignment.lock" is created which is the encrypted version of original file.

Wait till you get "encryption/decryption completed" message.

Caution: do not make any kind of changes to key file or encrypted file once encryption is done as doing so will corrupt the files & make them impossible to decrypt. Only changing the name & extension of these files is safe.

- For Decryption:

- Run the “1024-bit-security.exe” and then type “2” for decryption & hit enter.
- Now enter the name of the encrypted file in program, in our example it was “assignment.lock”.
- Next enter the key file’s name, which is “scenery.png” in our example.
- Finally enter the name you want to give to your decrypted file, for this example let it be “unlocked.pdf”.
- When you hit enter your encrypted file(assignment.lock) get decrypted using the key file(scenery.png) and produces the decrypted version of your encrypted file and gives it the name you entered(unlocked.pdf)
- If you see any issues, bugs, errors or potential optimizations then please contact me.

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