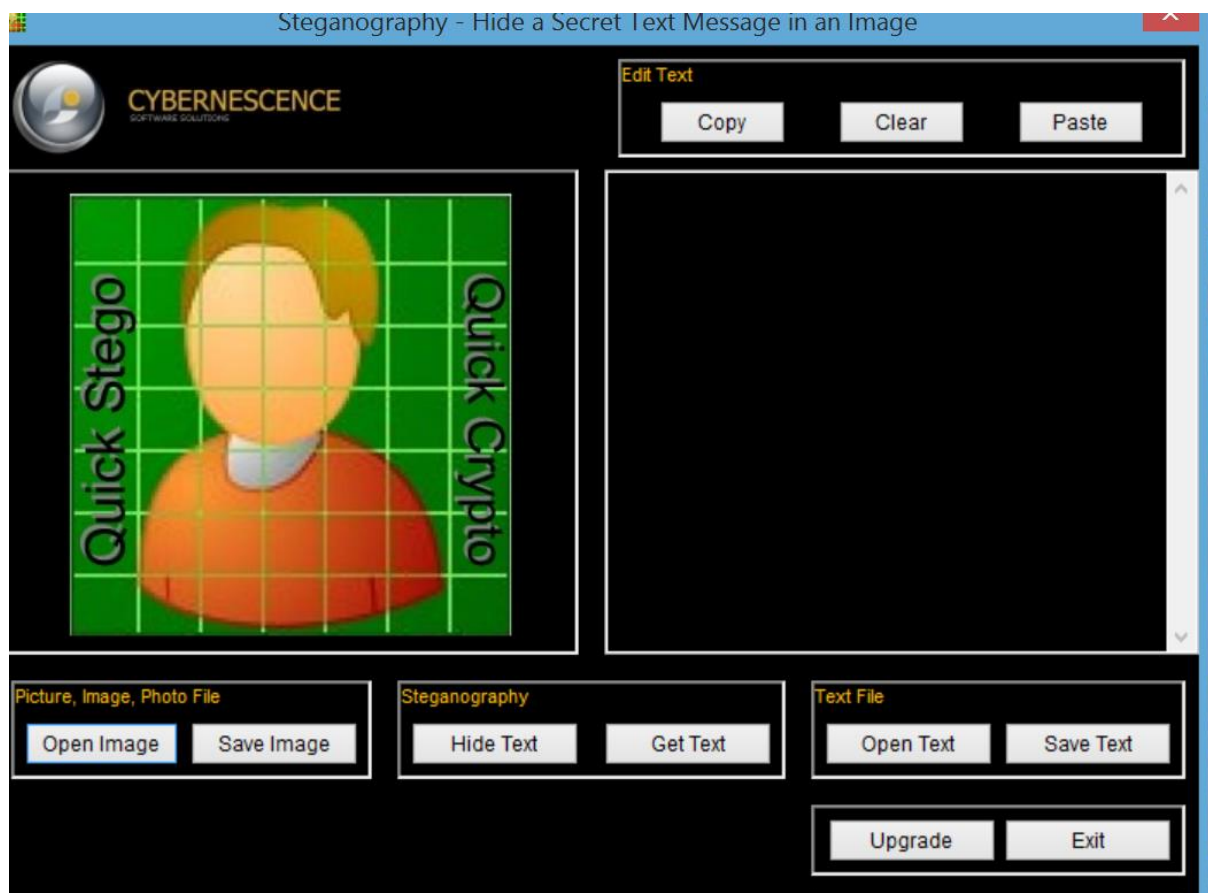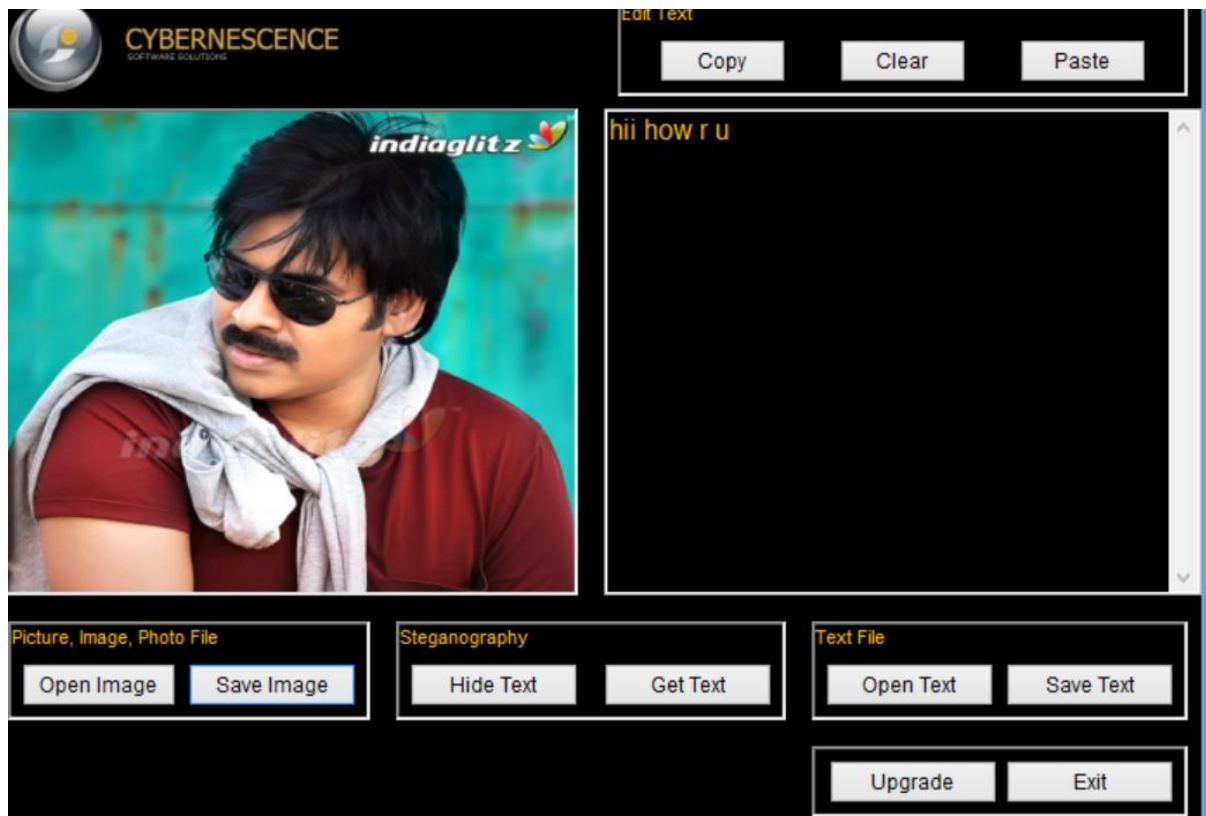# PROBLENT STATEMENT:

8. Try to Encrypt the Data in image file using quick stego tool (Download from Internet) and command prompt also and show them how to decrypt also. Write a report advantages of cryptography and steganography).

SOLUTION:
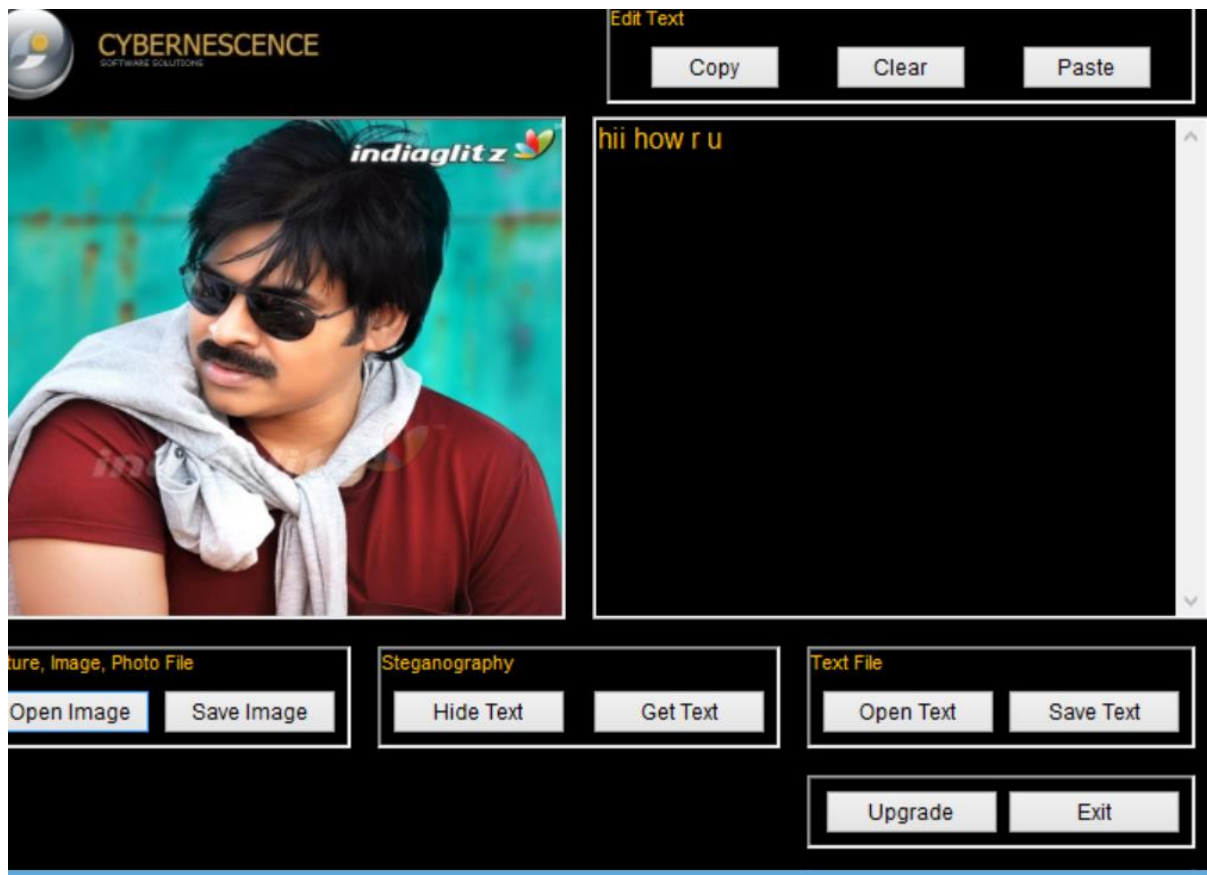
1.First download the Quick stego tool on internet.

2.Encrypt the data image.

3.hidden text and actual text image is same.

Atta180713_04   hidden

4.Decrypt the data.Quick stego tool open and open the image.the decrypt the data.

ENCRYPT AND DECRYPT THE FILES USING COMMAND PROMPT:

Encryption

- **Encryption** is the process of coding an information from a plain text into a cipher text, especially to hide its meaning and is the most common ways that no other person than you can take a look at your data.
- We can use the cipher command to encrypt and decrypt data at the command line.

Steps to Encrypt your file using Command Prompt

- Open 'cmd' from the start menu and change your working directory to the folder where your files are. This can be done by using the "cd". E.g. C:\>cd Desktop **C:\>cd specific**
- Type **'cipher /E'** and press Enter. E.g. C:\specific>cipher /E and automatically the command prompt encrypt the files in the folder.
- Files in that specific folder will get Encrypted with [OK] written in front of the File name.

Decryption

- **Decryption** is also the process of decoding a cipher text into a plain text.

Steps to Decrypt your file using Command Prompt

- As for decryption, the process of encryption is the same, but the only difference is typing cipher /D and automatically the command prompt decrypted the files in the folder.
- Files in that specific folder will be Decrypted With [OK] written in front of the file name.

Advantages of Cryptography:

1. **Confidentiality:**
   Information can only be accessed by the person for whom it is intended and no other person except him can access it.
2. **Integrity:**
   Information cannot be modified in storage or transition between sender and intended receiver without any addition to information being detected.
3. **Non-repudiation:**
   The creator/sender of information cannot deny his or information at later stage.her intention to send
4. **Authentication:**
   The identities of sender and receiver are confirmed. As well as destination/origin of information is confirmed.

ADVANTAGES OF STEGANOGRAPHY:

Advantages

- It is used in the way of hiding not the Information but the password to reach that Information.

- Messages do not attract attention to themselves i.e difficult to detect. Only receiver can detect.

- The proposed technique uses LSB to hide data from a pre defined position agreed between two parties. Same position is only used once to enhance security.

- Can be applied differently in digital image, audio & video file.