# project

### **Secure File Transfer using RSA Encryption**

#### **Team Members:**

Name: Hasan Hamad Almalki ID: 2142014

Name: Hassan Mohammed Hamza ID: 2141203

## **Output of Code**

I put the receiver named kali and file named msg.txt, which will be encrypted using Kali's public key.

```
PS C:\Users\CP\Desktop\projectCode> python main.py
Please choose an option:
1. Send A File
2. Decrypt A File
Please enter the name of the file you wish to open, including the file extension. For example, myfile.txt
1
Enter a File name:msg.txt
Enter the recipient name:kali
The File msg.txt Was Uploaded Successfully to kali
PS C:\Users\CP\Desktop\projectCode> []
```

Once the encrypted file is sent to Kali, it can be decrypted using Kali's private key.

Please choose option 2, then enter the name of the file that was sent to you, and you want to decrypt.

```
(kali⊗kali)-[~/Desktop/projectCCCY312]
$ ls
encrypted.txt main.py privkey.pem pubkey.pem

(kali⊗kali)-[~/Desktop/projectCCCY312]
$ python3 main.py
Please choose an option:
1. Send A File
2. Decrypt A File
Please enter the name of the file you wish to open, including the file extension. For example, myfile.txt
2
Enter a File name:encrypted.txt
Plain text: Hi Dr. Naif,
This message contains sensitive data and has been encrypted using RSA encryption.
```

### The decrypted message is.

```
Plain text: Hi Dr. Naif,
This message contains sensitive data and has been encrypted using RSA encryption.
```