Challenge Writeup

Title: Scriptie Boi - 3

Category: OSINT

Author: Sachin

Description:
The main goal of this challenge is to find our final flag. He challenged us to break his so-called great cipher with which he gave us the final flag file .(Don’t use crypto skills, use OSINT to solve(maybe he gave out the program))

Points: 300

Walkthrough:

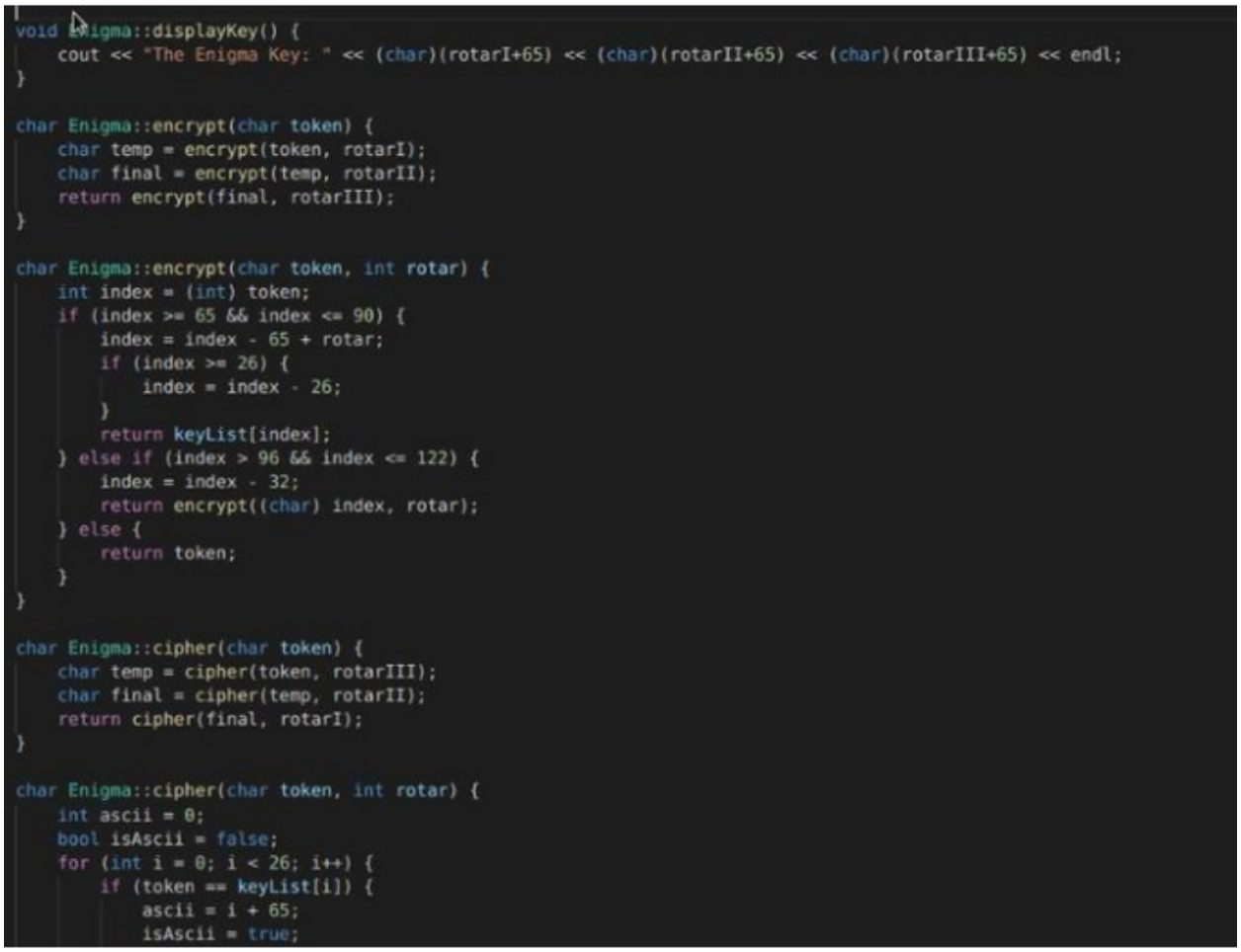
1.From SB -1,2 using the data

2.Checking out his facebook profile

Kalki BM
1m ·

Encryption programmoooo

What the FCK ?



```
void Enigma::displayKey() {
    cout << "The Enigma Key: " << (char)(rotarI+65) << (char)(rotarII+65) << (char)(rotarIII+65) << endl;
}

char Enigma::encrypt(char token) {
    char temp = encrypt(token, rotarI);
    char final = encrypt(temp, rotarII);
    return encrypt(final, rotarIII);
}

char Enigma::encrypt(char token, int rotar) {
    int index = (int) token;
    if (index >= 65 && index <= 90) {
        index = index - 65 + rotar;
        if (index >= 26) {
            index = index - 26;
        }
        return keyList[index];
    } else if (index > 96 && index <= 122) {
        index = index - 32;
        return encrypt((char) index, rotar);
    } else {
        return token;
    }
}

char Enigma::cipher(char token) {
    char temp = cipher(token, rotarIII);
    char final = cipher(temp, rotarII);
    return cipher(final, rotarI);
}

char Enigma::cipher(char token, int rotar) {
    int ascii = 0;
    bool isAscii = false;
    for (int i = 0; i < 26; i++) {
        if (token == keyList[i]) {
            ascii = i + 65;
            isAscii = true;
```

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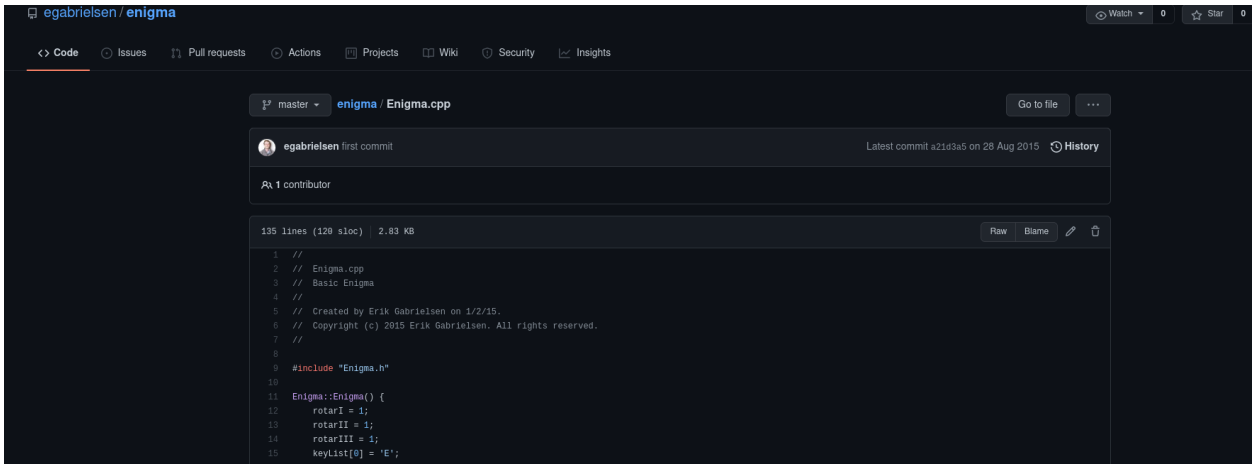
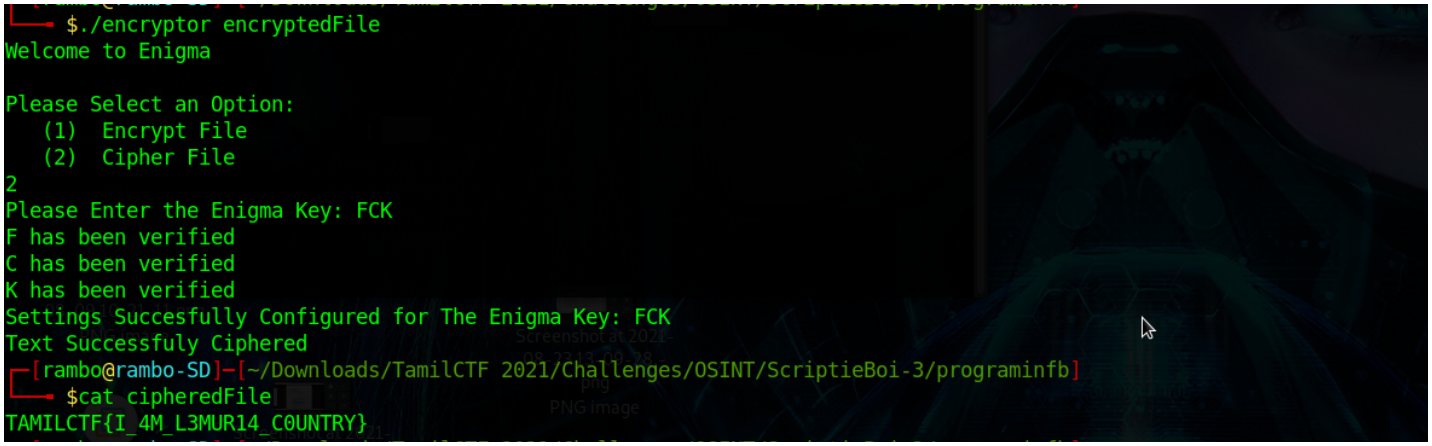
3.He has posted some program code.

4.Analyzing and code searching in github we can find that the code is enigma code to encrypt a file.



5.Using the code we can now decrypt our given flag file with FCK as the key(FCK is given in description of the post)



Flag:

TamilCTF{I_4m_L3mUr14_C0uNtRy}