Walchand College Of Engineering, Sangli

Department of Computer Science and Engineering

Subject: C&NS Lab

Batch: B4

Name: Gayatri Sopan Gade **PRN:2020BTECS00210**

Assignment 2

Title: Cryptanalysis on Caesar cipher**.**

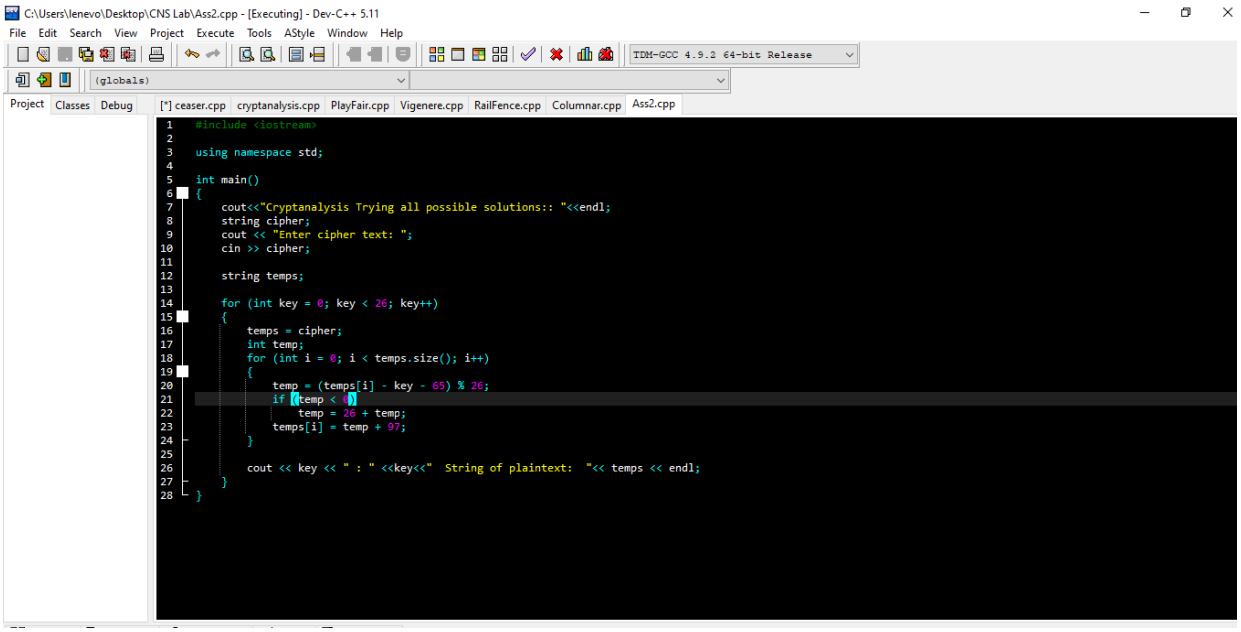
Introduction:

Cryptanalysis is the art of breaking codes and ciphers. The Caesar cipher is probably the easiest of all ciphers to break. Since the shift has to be a number between 1 and 25, (0 or 26 would result in an unchanged plaintext) we can simply try each possibility and see which one results in a piece of readable text.

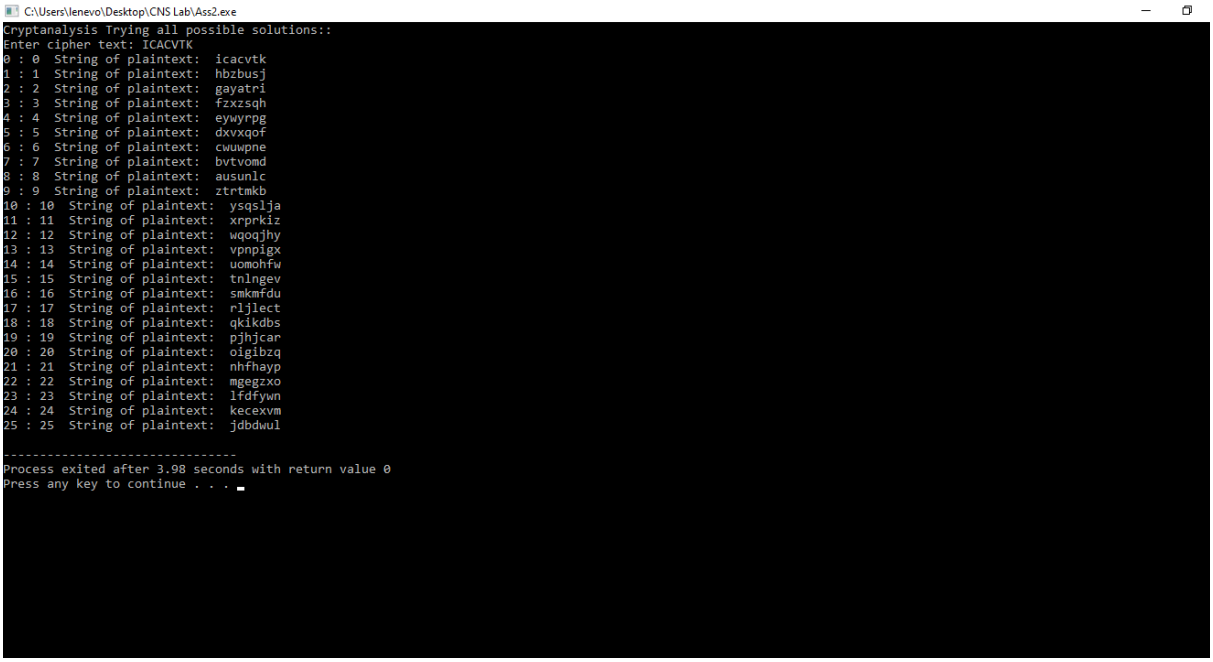
Code:

Link: https://github.com/gayatrig21/Cryptology-practicals/tree/Assignment-2

Screenshots:



Output:


C:\Users\lenevo\Desktop\CNS Lab\Ass2.exe
Cryptanalysis Trying all possible solutions::
Enter cipher text: ICACVTK
0 : 0 String of plaintext: icacvtk
1 : 1 String of plaintext: hbzbusj
2 : 2 String of plaintext: gayatri
3 : 3 String of plaintext: fzxzsqh
4 : 4 String of plaintext: eywyrpg
5 : 5 String of plaintext: dxvxqof
6 : 6 String of plaintext: cwuwpne
7 : 7 String of plaintext: bvtvomd
8 : 8 String of plaintext: ausunlc
9 : 9 String of plaintext: ztrtmkb
10 : 10 String of plaintext: ysqslja
11 : 11 String of plaintext: xrprkiz
12 : 12 String of plaintext: wqoqjhy
13 : 13 String of plaintext: vpnpigx
14 : 14 String of plaintext: uomohfw
15 : 15 String of plaintext: tnlngev
16 : 16 String of plaintext: smkmfdu
17 : 17 String of plaintext: rljlect
18 : 18 String of plaintext: qkikdbs
19 : 19 String of plaintext: pjhjcar
20 : 20 String of plaintext: oigibzq
21 : 21 String of plaintext: nhfhayp
22 : 22 String of plaintext: mgegzxo
23 : 23 String of plaintext: lfdfywn
24 : 24 String of plaintext: kecexvm
25 : 25 String of plaintext: jdbdwul
Process exited after 3.98 seconds with return value 0
Press any key to continue . . .