

DATE:-09/01/23

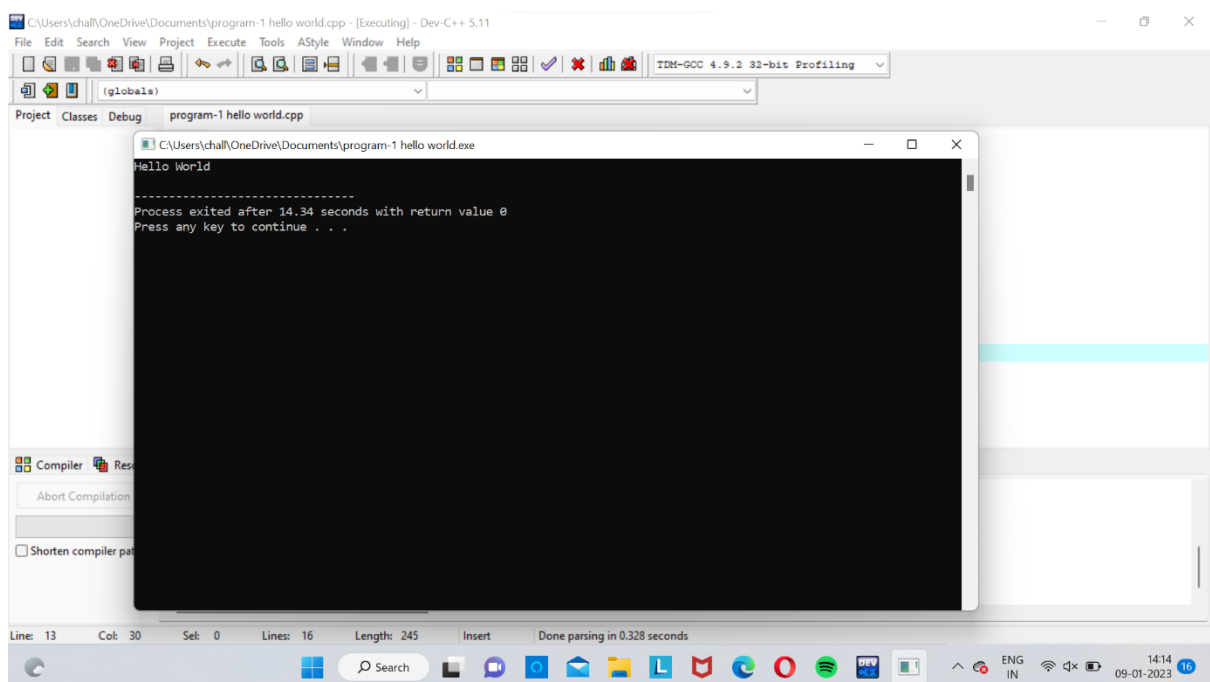
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REG NO:- 192111191

COURSE CODE:- CSA5164

COURSE NAME:- CRYPTOGRAPHY AND NETWORK SECURITY WITH CRYPTOLOGY.

PROGRAM 1:- HELLO WORLD



PROGRAM :-2(BY USING CAESAR CIPHER ENCRYPTION)

OUT PUT:-

```
C:\Users\chall\OneDrive\Documents\program 2-caesar cipher encrypt.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
C:\Users\chall\OneDrive\Documents\program 2-caesar cipher encrypt.exe
Project Class
Enter a message to encrypt: hello sir
Enter key: 4
Encrypted message: lipps vmv
-----
Process exited after 15.33 seconds with return value 0
Press any key to continue . . .
Compiler
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\chall\OneDrive\Documents\program 2-caesar cipher encrypt.exe
- Output Size: 125.7998046875 KiB
- Compilation Time: 0.33s
Line: 9 Col: 23 Sel: 24 Lines: 30 Length: 516 Insert Done parsing in 0.016 seconds
```

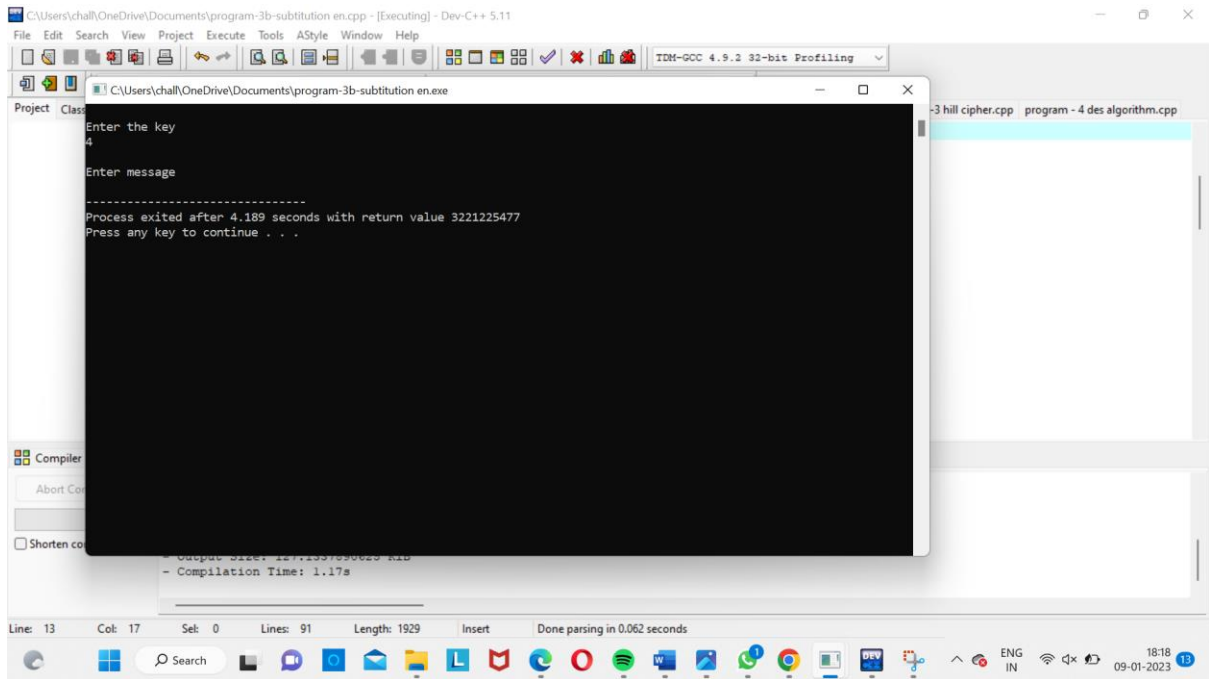
2,Caesar cipher(decryption):-

OUTPUT:-

```
C:\Users\chall\OneDrive\Documents\program-3 caesar cipher decryption.cpp - [Executing] - Dev-C++ 5.11
File C:\Users\chall\OneDrive\Documents\program-3 caesar cipher decryption.exe
Please enter a string: lipps
Please choose following options:
1 = Encrypt the string.
2 = Decrypt the string.
1
Encrypted string: olssv
-----
Process exited after 7.339 seconds with return value 0
Press any key to continue . . .
Compiler
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\chall\OneDrive\Documents\program-3 caesar cipher decryption.exe
- Output Size: 125.7998046875 KiB
- Compilation Time: 0.31s
Line: 1 Col: 18 Sel: 0 Lines: 29 Length: 514 Insert Done parsing in 0.016 seconds
```

b)substitution cipher encryption:-

OUTPUT:-



c)hill cipher:-

OUTPUT:-

