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COURSE CODE: CSA5166

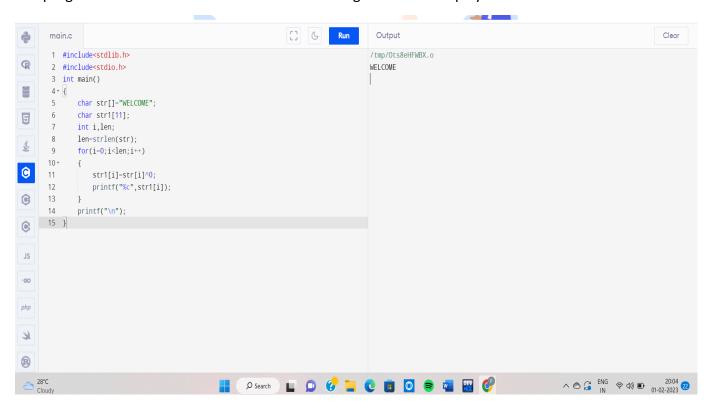
COURSE NAME: CRYPTOGRAPHY AND NETWORK SECURITY WITH

AUTHENTICATION SCHEMES

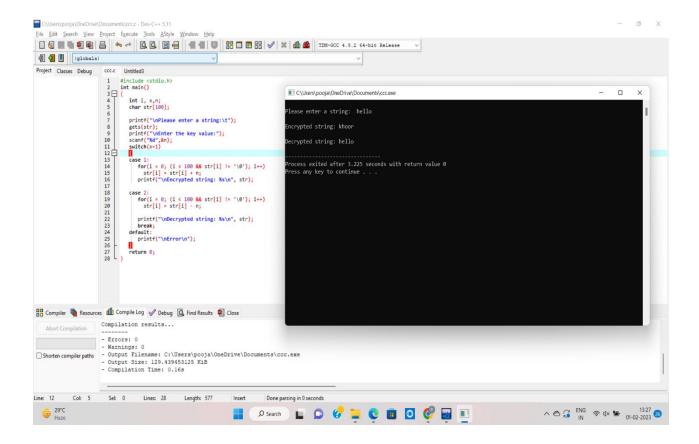
DAY-1

1. Write a C program that contains a string (char pointer) with a value \"Hello world".

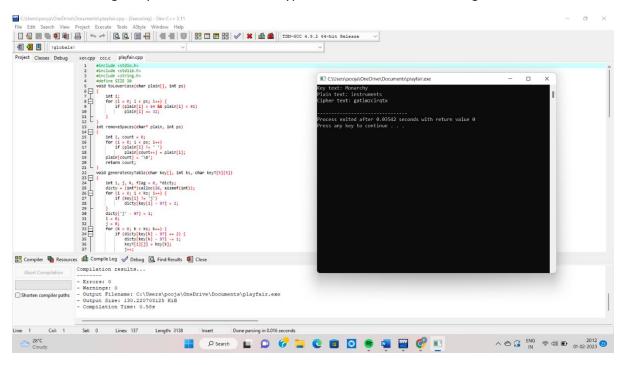
The program should XOR each character in this string with 0 and displays the result.

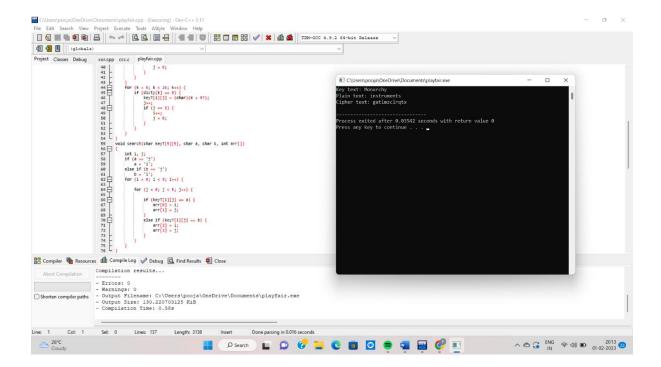


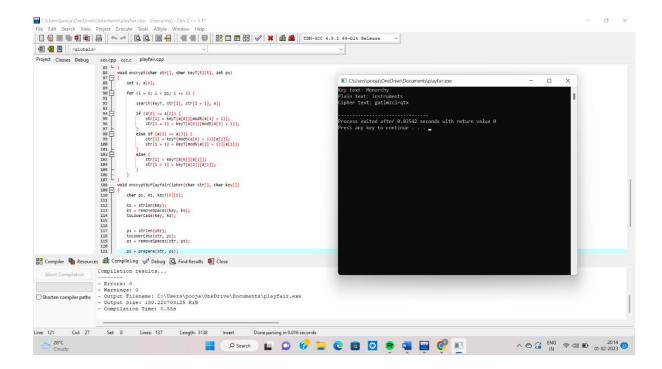
2. Write a C program for Caesar cipher involves replacing each letter of the alphabet with the letter stan places further down the alphabet, for k in the range 1 through 25.

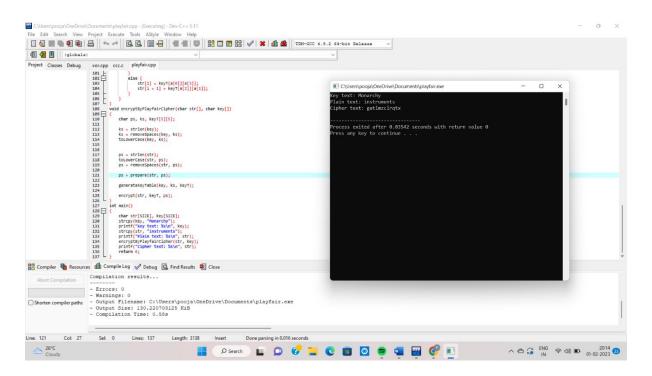


3. Write a C program for Playfair algorithm is based on the use of a 5 X 5 matrix of letters constructed using a keyword. Plaintext is encrypted two letters at a time using this matrix.









4. Write a C program for polyalphabetic substitution cipher uses a separate monoalphabetic substitution cipher for each successive letter of plaintext, depending on a key.

